

THE KANSAS INDUSTRIALIST

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ENROLMENT FOR SPRING SLIGHTLY BELOW 1940

DIVISION OF GENERAL SCIENCE LEADS ALL OTHERS

Defense Training and Selective Service Have Taken Students Who Other- wise Might Have Registered for Second-semester Work

Enrolment at Kansas State College for the second semester of the present school year totaled 3,636 Tuesday, a slight decrease from the all-time high of 3,713 at the corresponding period a year ago.

Late enrolments, however, may increase the total for the present semester considerably, according to Miss Jessie McDowell Machir, registrar.

GENERAL SCIENCE LEADS

Defense training, with the more immediate possibility of a job, and the selective service have taken many students who otherwise would have remained in college, officials believe.

According to an initial breakdown made of enrolment last week the Division of General Science again led the other divisions with an enrolment of 925. The Division of Engineering and Architecture was a close second with 892 and the Division of Home Economics had a total of 783.

In the Division of Agriculture 607 enrolled; in the Division of Veterinary Medicine, 221, and in the Division of Graduate Study, 152.

THREE-DAY REGISTRATION

Enrolment for the first semester was 4,108, a slight increase over that of the previous fall semester.

Tuesday was the busiest day for those in charge of registration when 1,615 students passed through Nichols Gymnasium, where the usual procedure of registration and enrolment was carried on. On Wednesday 1,525 were enrolled and on Thursday morning 442.

PROF. R. J. EGGERT VISITS EASTERN LAMB MARKETS

Economist Is on Two Weeks' Tour with Group of Midwestern Farmers

R. J. Eggert, assistant professor of economics and sociology, left for Chicago Saturday for a two weeks' tour, with all expenses paid, through the Eastern part of the United States to study the marketing of lambs.

This trip was organized and sponsored by Swift and company, and includes 30 to 40 Midwest sheep growers and raisers as well as Professor Eggert. The group will visit plants and sales offices in Chicago, Boston, New York, Philadelphia, Baltimore and Washington, D. C.

Professor Eggert will return February 17 to continue his research in livestock and marketing.

COLLEGE WILL CELEBRATE 17 YEARS ON AIR WITHOUT ANNIVERSARY CEREMONIES TUESDAY

Kansas State College will celebrate its 17th birthday on the airways next Tuesday but station KSAC officials do not plan any special anniversary program.

Operated by the College, KSAC is now familiar to many Kansas farm homes because, through the College Extension service, advice on crops, homemaking hints and other items of interest are broadcast to rural listeners.

Radio broadcasting began at Kansas State College when the Department of Physics started to experiment with wireless telegraphy, as it was first called, in 1901. Years of research led to actual broadcasting in 1924. Beginning on February 11 of that year, the College regularly used the facilities of KFKB at Milford, by remote control, until December 1, 1924. On that date, KSAC came into being with its own transmitter and studio on the College campus.

Since radio is classified as one phase of extension work carried on by the College, general responsibility for the station falls to Dean H. Umberger, director of the Division of College Extension. L. L. Longsdorf, head of extension's publicity and information work, serves as KSAC's

GENETICIST, ENROUTE TO WAR-TORN BRITAIN, SEES POSSIBLE SOLUTION OF WORLD'S PROBLEMS

Prof. Lancelot Hogben, Who Escaped Nazis in Norway, Visits Campus for Lectures Before Assembly Audience and Science Club Meeting

Human problems frequently are solved when the need to solve them is greatest, Dr. Lancelot Hogben, English author and geneticist, told an assembly audience Friday morning. He spoke Friday night before the Science club.

The optimism of the professor of natural history at the University of Aberdeen, Scotland, in this war-crazed world was especially pointed because his visit to the United States was due to the Nazi invasion of Norway. Doctor Hogben was enroute to the Oslo airport for a return trip to Britain after a lecturing engagement when he looked up to see German bombers in the sky above. He escaped to Sweden and eventually visited the Soviet Union, Japan and the United States. Later this month he will sail for his homeland.

Discussing the genius theory, Doctor Hogben said in part:

"The history of technology abundantly shows that the main driving force behind the progress of man's technical knowledge, and therefore the main formative agency which fashions new social superstructures built on a foundation of new technical accomplishment, has been the emergence of new needs dictated by local conditions, circumscribed by local resources for satisfying them and preconditioned by the level of training transmitted from the past by language and secondary by-products of man's unique neuromuscular equipment.

"It is pure hypothesis to assert that this or that would not have happened if a particular individual with a particular equipment of genes had not been born, or that the distinctive achievements of successive civilizations are due to unique characteristics of different races of mankind. On the other hand there is much to show that human problems get solved where the need to solve them is greatest, where the materials for solving them are at hand and where the inertia of tradition which opposes innovation is least."

In conclusion, Doctor Hogben said:

"It seems to me that three positive conclusions emerge from this general discussion of what we know today about the nature of man.

"The first that concerns the future of the biological sciences is how little we know about genetic differences in human populations. But if we do know little, the advances of the past 15 years encourage us to hope that

we shall know much more as the importance of studying heredity in its relation to medicine is advanced. In this field America which leads the world by a large stride in plant and animal genetics is far behind the Scandinavian countries.

"The second conclusion which I venture to suggest is that if we hope to get a deeper understanding of the way in which man makes and molds his own changing environment, we must bring the work of the political scientist and the researches of the economic historian into closer relation to the history of science and technology. A few of our more progressive universities have begun to see this and to act upon it. Needless to say I do not mean the tiresome pot-pourri of anecdote and hero-worship found in most of the serial obituaries called histories of science on our library shelves. I mean a conspectus of discoveries which have emerged in man's day-to-day struggle with nature as a prelude to the inventory of resources available for the satisfaction of human needs in a rationally planned economy of human welfare.

"The other conclusion suggested by this discussion is that there is a large and virgin field for cooperation between linguists and sociologists to explore together the relation of language habits to social institutions. Needless to say I do not mean the worthy and much-publicized cult of semantics. What I do mean is a study of how the language habits of mankind have been molded by other social agencies and their impact on social institutions. European scholarship is too deeply entrenched in the past to undertake such a task, but it is not impossible to hope that the more congenial relations between natural science and the humanities on this continent will prove to be propitious to such an undertaking."

SIX CHANGES IN FACULTY ANNOUNCED BY PRESIDENT

Three Leaves of Absence, One Resignation, Two Appointments Are Included

Three leaves of absence, one resignation, one appointment and one continuation of an appointment are included in the faculty changes at Kansas State College announced Friday by Pres. F. D. Farrell and approved by the State Board of Regents.

The changes included:

F. E. Davidson, assistant in agronomy in charge of the southeast Kansas experiment fields, has been granted sabbatical leave of absence from March 1 to May 31, to pursue graduate study. During Mr. Davidson's absence, Arthur Stiebe will be employed as assistant to serve on the southeast Kansas experiment fields.

F. W. Matting, instructor in mechanical engineering and a reserve officer in the United States army, having been called into active military service, has been granted leave of absence beginning January 21.

J. E. Stevens, graduate assistant in the Department of Civil Engineering, resigned effective January 25.

B. W. Beadle, assistant chemist, who has been on leave of absence, has been granted an extension of leave from February 14 to June 30. Dr. Albert Hanke's appointment as temporary assistant chemist during Mr. Beadle's leave will be continued.

President, Adams Speak

Pres. F. D. Farrell told the annual banquet throng of the Manhattan Chamber of Commerce Thursday night that both the College and the community now were suffering from growing pains. As the final speaker of a panel of five, Hobbs Adams, football coach, gave his impressions of Manhattan as a newcomer.

Semester of Farm and Home

Mrs. Neil Wishart will virtually complete a semester's attendance at annual Farm and Home week as she attends the 1941 sessions. This Riley county farm woman has attended every day of every Farm and Home week for the past 16 years, with the exception of two afternoon sessions. Mrs. Wishart is one of the rural women who will stage a demonstration of home industries Wednesday afternoon in the Extension Annex building. She will show the weaving of rugs and the use of feathers for bedding.

CAMPBELL WILL BE HEAD OF COLLEGE MILITARY UNIT

Col. Carl F. McKinney, Retiring Officer, Ordered to Ft. Huachuca to Command Regiment

Lieut.-Col. James K. Campbell has been appointed to succeed Col. Carl F. McKinney as head of the Department of Military Science and Tactics at Kansas State College, according to Washington newspaper reports. Official word of the appointment as yet has not been received by Pres. F. D. Farrell.

Colonel Campbell will replace Colonel McKinney, who has been ordered to Ft. Huachuca, Ariz., where he will command the newly organized 165th infantry regiment. He had been at Kansas State College for a year and five months.

A graduate of the Culver Military academy in 1905 and the Infantry school at Ft. Benning, Ga., in 1926, Colonel Campbell joined the College unit in 1937, holding the rank of major. He was promoted to the rank of lieutenant-colonel last spring.

In the World War, Colonel Campbell was in the 42nd "Rainbow" division.

Housemother Dies

Mrs. Grant Mathias, Phi Delta Theta fraternity housemother at Kansas State College, died the morning of January 22 from heart disease. Mrs. Mathias came to Manhattan in the fall of 1937. Her home was formerly in Kansas City, Mo. Survivors include three sons: Harold, Kansas City, Mo.; Robert, Evanston, Ill., and William, Chicago. Funeral services were in White Church, Kan.

LIMESTONE IN FATTENING RATIONS PROVIDES FAST AND ECONOMIC GAINS, RESEARCH SHOWS

The addition of one-tenth of a pound of ground limestone per head daily to the fattening rations of steer calves, when alfalfa is not included in the ration, insures faster and more economical gains, according to a test by Dr. A. D. Weber, cattle specialist at the Kansas Agricultural Experiment station.

In one phase of the test, two lots of 10 steers each were fed the same basal ration consisting of shelled corn, Atlas sorgho silage and cottonseed meal. One lot was fed, in addition, one-tenth of a pound of ground limestone per head daily. The lot receiving the calcium required 98 pounds less corn, 101 pounds less silage and 13 pounds less cottonseed meal to produce 100 pounds of gain than did the steers without the calcium, according to Doctor Weber.

Practically the same results were obtained with a different group of steers that were fed individually instead of group-fed. Mineral balance and digestion trials were conducted with the group fed individually.

The lot-fed steers receiving the ground limestone in addition to the basal ration weighed about 75 pounds per head more than the "low-calcium" group at the end of the trial.

"The results of these tests show that the addition of calcium to the ration increased the gains in weight, caused more efficient utilization of feed, increased the retention of cal-

FARM AND HOME GUESTS MAY APPROXIMATE 2,000

L. C. WILLIAMS, ASSISTANT DEAN, IS GENERAL CHAIRMAN

Program Begins Tuesday Morning with Talks on Marketing, Housing, Pro- duction, Brooding and Breed- ing of Poultry

A vanguard of the approximately 2,000 people expected for this year's Farm and Home week already is registered. L. C. Williams, assistant dean of the Division of College Extension, is general chairman of Farm and Home week.

The farm visitors are taking in their second day of talks and discussions today. The marketing, housing, production, brooding and breeding of poultry were the subjects heard in the Tuesday morning poultry program. Dairy men held directors' meetings of state breed associations Tuesday.

WILSON DISCUSSES POULTRY

Peairs Wilson, instructor in the Department of Economics and Sociology, told the poultry audience that the highest income over feed costs on chicks hatched before April 1 usually may be obtained by marketing them at 3 1/2 to 4 pounds. For chickens hatched after April 1, the most desirable policy, so far as income over feed costs is concerned, is to carry the chickens through the seasonal low price during the summer and market them between September 10 and 30, regardless of weight, he said. Early-hatched chicks return a larger income over feed costs than later-hatched chicks, he added.

The Kansas open-front, straw-loft poultry house, originated at Kansas State College in 1921, is still the most desirable type for this state, according to Walter G. Ward, extension engineer. He stated that more than 20,000 new poultry houses have been constructed or old ones remodeled, using the straw-loft and other features from the Kansas plan.

HAZARDS OF INBREEDING

C. L. Gish, manager of the College poultry farm, warned against purchasing cheap chicks, cheap brooding equipment or cheap rations. He stressed that only by production of good, strong, vigorous chicks can well-developed high producers be grown. Stunting and poor development cause undersized pullets and usually lowered egg production, he commented.

Dr. D. C. Warren, professor in the
(Continued on last page)

cium and phosphorus, resulted in higher slaughter grades and heavier bones," Doctor Weber said.

When sold on the Kansas City market, those in the "high-calcium" group brought 50 cents per hundred-weight more on the hoof because of their generally better appearance, heavier bone and apparent better finish. No significant differences were observed, however, when the carcasses were graded. The dressing percentages of the two lots were practically the same, Doctor Weber stated.

The addition of ground limestone did not have any effect upon the appetite, thirst, mineral content of the blood of the steers or digestibility of nutrients.

"The results do indicate," Doctor Weber added, "that the fattening calf needs more than one-half ounce of calcium daily for higher and more economical gains." A good quality of ground limestone is about four-tenths calcium.

Results of the tests are reported in detail in Technical Bulletin No. 51, "Calcium in the Nutrition of the Fattening Calf," recently published by the Kansas Agricultural Experiment station. The bulletin was written by Doctor Weber and Dr. C. W. McCampbell of the Department of Animal Husbandry and Dr. J. S. Hughes and Dr. W. J. Peterson of the Department of Chemistry.

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WEDNESDAY, FEBRUARY 5, 1941

SOCIETY AND HIGHER EDUCATION

In the 35th annual report of the Carnegie Foundation for the Advancement of Teaching, Dr. Walter A. Jessup, president of the foundation, comments interestingly upon the effects of social moods upon higher education and describes some interesting contrasts provided by Germany, France, Great Britain and the United States. Quoting Anatole de Monzie's dictum, "Society demands that the school shall be in its image," he calls attention to some significant developments in society and in higher education during the past 20 years.

In Germany, under the Republic, higher education increased in popularity and freedom of teaching was maintained. But since 1933, when National Socialism came to power, university attendance has been reduced, admission of students has been based upon political expediency, the curriculum has been reorganized for the purpose of political indoctrination and freedom of teaching has been abandoned. According to the prevailing mood in Germany every student exists solely for the state. In France, up to the time of the German occupation, although education was subjected to centralized governmental control, freedom of teaching was preserved. Higher education in France was not democratized; its purpose was to select and train an intellectual elite.

Great Britain differs widely from both Germany and France. There is no centralized governmental control of higher education. Through open competition for scholarships opportunities are provided for exceptionally able young persons of all classes to attend the universities. The British deliberately and stubbornly oppose educational standardization and maintain complete freedom of teaching. The theory that the state exists for the benefit of the people dominates higher education in Great Britain as it does here.

In the United States higher education involves virtually no centralized governmental control. Its extensive democratization expresses the prevailing public conviction that every youth is entitled to an opportunity to go to college, and admission requirements are not difficult. It is extensively subsidized by both public and private agencies. The present annual enrolment of 1,300,000 college students in the United States is six times as large as the combined college enrolments of Germany, France and Great Britain in 1938-'39. Freedom of teaching, while perhaps more often challenged here than in Great Britain, is upon the whole maintained.

It is too early to ascertain the effects of the present defense program on higher education in the United States. It is probable that they will be considerable. The dictum of de Monzie undoubtedly will prevail here, as elsewhere. We shall have the kind of higher education that our society demands. The nature of the social demand can be, and is, influenced by the colleges and universities. But higher education cannot for long be very far ahead of the public mood, or very far behind it.

MUSIC

Stratton-Wallingford Recital

It is always encouraging, even in-

spiring, to see an audience measure up to the demands which an artist makes upon it. Charles Stratton, assistant professor of music, and Keith Wallingford, Manhattan student, were not exactly conservative in the demands which they made upon their audience in their program of modern music for two pianos Sunday afternoon in the College Auditorium.

A sonata by Arnold Bax, one by Paul Hindemith and three incidental pieces by McPhee, Octavio Pinto and Milhaud would hardly be considered "light"; and the program notes, with their reference to "exotic scales, new rhythms and new tonal resources" were hardly reassuring.

However, any apprehension which one might have had before the Stratton-Wallingford recital was entirely gratuitous. When the audience broke into spontaneous applause at one of the suertes in the middle of the Octavio Pinto suite, one was convinced that the audience was taking the moderns of the modern in its stride.

A good two-piano team must be something more than just two good instrumentalists: the necessary "en rapport" is not so much the result of the equality of technique as it is a kindred sense of musical values. As teacher and pupil, Professor Stratton and Mr. Wallingford seem to possess this identity to a marked degree.

Professor Stratton, as usual, played in a masterly and commanding style. There is in his playing never the slightest uncertainty of tone line. He seems always to have the talent, gift, genius—call it what you will—of discovering surprising nuances in any score that he touches. What under the hand of others seems to fall apart in a cacophony of weird intervals and dissonances, under his hand somehow shapes itself into something new in music. Mr. Wallingford seems to have no little share of the same gift. He reads with amazing rapidity. His tone is always clean-cut and sure. He is refreshingly free of mannerisms, and he has that greatest of all virtues—that of never permitting Self to dominate over the composer he is interpreting.

The Stratton-Wallingford program seemed to foreshadow the coming of an inter-American cultural unity. The works of McPhee, a Canadian; Octavio Pinto, a Brazilian, and Darius Milhaud, a Frenchman, with a fondness for Brazilian motifs, make one feel that, musically, America is coming of age. During our generation, the world has come to appreciate the paintings of Rivera, Orozco, Covarrubias and Atl. One wonders if the present generation will also come to appreciate the music of Chavez, Villa-Lobos and Pinto. The Stratton-Wallingford program was an evidence of what can be done in that direction.

—C. W. M.

BATTLE OF THE STATES

If this country is to have a uniform program of preparedness there can be no such thing as highway barriers between the states. This is no time for establishing or maintaining ports of entry between neighboring commonwealths. How can we move produce, materials and other necessities of a great nation if our own states are surrounded by walls, if motor vehicles must halt their much-needed loads at state lines to be checked for weight and length, and perhaps delayed or refused admittance?

The fields of the South and West must move crops to the homes and factories of the North and East. Finished goods may have to be rushed from one section of the land to another. If they travel by motor truck, they must not be halted or hindered by these restrictions that have sprung up in the last few years. There was no such thing as a state highway barrier in 1917 when federal aid in highway construction began. In building our defenses to keep out of future conflicts, we must have uniformity of rules and regulations governing interstate traffic within our own 48 states.

Today there are 48,492 communities in this nation served only by motor vehicles. These towns and hamlets are vital to American life, for they represent a population of 7,844,509—as many people as are in the entire state of Illinois, and 2½ times the whole population of Norway.

These miles of highways which connect our farms and factories, pass through our villages and cities, crossing state lines on the way to markets, must be kept open free from barriers

SCIENCE TODAY

By LOYAL F. PAYNE

Head, Department of Poultry Husbandry

The proper timing of a scientific fact is important if it is to gain popular favor. It seems to make little difference how revealing a new discovery might be if the public mind is occupied with other matters. In such instances a new idea may lie dormant for years or decades. Occasionally, in the development of human events, there comes the time when public opinion will accept and popularize ancient discoveries. The value of grass in the diet affords an example.

For centuries the public pitied Nebuchadnezzar who "did eat grass as oxen." Today dehydrated young tender grass is a commodity in human nutrition accepted by nutritionists for its high vitamin content and by the medical profession for its therapeutic value, and it is sold by many drug stores.

Early in his career, John J. Ingalls of Kansas wrote his famous essay on "Blue Grass" which was recorded in the proceedings of the Senate and House of Representatives. Among other things he said, "Grass is the forgiveness of nature, her constant benediction . . . grass determines the history, character, and destiny of nations." Even this burst of literary enthusiasm did not, so far as we know, materially change the public attitude toward so common an herbage as grass.

Early in 1914 Dr. C. O. Swanson, Kansas State College chemist, successfully preserved green alfalfa in small jars by the use of molasses. Since most high-protein green feeds are deficient in acid-forming materials, such as sugar, it was found necessary to add an inexpensive sugar-bearing substance, such as molasses, in order that bacteria could act upon the sugars and thus produce acids which preserve the green feed. Even this fundamental discovery "fell on stony ground," as the public was not yet vitamin conscious.

It was not until the years 1925-28 that Dr. A. I. Virtanen, a Finn, perfected a method of using mineral acids to preserve young grass for ani-

mal feeding. By this time the public was keenly interested in both animal and human nutrition and especially the vitamins. Hence the Virtanen process became popular in both Europe and America—and more recently the Swanson method has come into general use.

Cereal grasses are rich in proteins, minerals, carotenoid pigments, the precursor of vitamin A, and vitamins B, E, K and the G complex. Cultivated grasses reach their maximum nutritive value at about the first jointing stage or approximately six weeks after protruding through the ground. Their nutritive value declines rapidly after this stage. The nutritive value of young grass can now be preserved as grass silage. Its chief value lies in the fact that the vitamins are retained in the silage. When fed to animals, such as cows and hens, it enables them to produce milk and eggs of greater value in human nutrition than would be possible for animals deprived of green feeds. While the scientist does not create he does continue to find new uses for materials nature has provided.

The Department of Poultry Husbandry at Kansas State College has been experimenting with grass silage for poultry since 1934. A method has now been evolved, as a result of the early work of Doctors Swanson and Virtanen, whereby "June pasture" can be provided the laying flock throughout the fall, winter and spring months.

To make silage, oat grass is mowed the middle of May, put through an ensilage cutter, mixed with 8 percent of an equal part solution of molasses and water, and tramped into metal "fat" barrels. These have lever fasteners for the barrel head and rubber gaskets can be obtained to make a tight seal. About 350 pounds of silage is placed in each barrel. At present 4 pounds of grass silage is fed daily per 100 hens. It may be used as one of the principal sources of vitamins A and G in the ration. There is now much interest in grass silage. However, it is still in the experimental stage and additional research will be necessary before its full value and its limitations are known.

For the commerce of this nation. It is essential to our national unity.—Wilburn Cartwright, member of Congress from Oklahoma and chairman of the house committee on roads, in Highway Highlights.

WARFARE BY CHARMS

A passive form of waging economic warfare against an enemy by means of a charm for destroying crops was long ago conceived by tribes of New Guinea. Contrariwise, they had charms for increasing crops for their own benefit, and for producing a host of other boons, such as fattening pigs, winning a girl's love, stimulating a dog's hunting abilities and extending a small supply of food to make it suffice for any number of guests.—From Field Museum News.

INCREASE IN HIGHWAYS

Highways of the world have increased from 6,582,001 to 10,036,233 miles in the past 10 years.—From Highway Highlights.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Dr. Howard T. Hill, head of the Department of Public Speaking, was on the program at the meeting of Native Sons and Daughters in Topeka.

Dean R. R. Dykstra, Dr. J. H. Burt and Dr. C. H. Kitzelman, all members of the Division of Veterinary Medicine, attended a meeting of the Kansas Veterinary Medical association in Topeka.

Herbert Helmkamp, '18, was transferred from Topeka to Denver, where he was state agent for the American Fire Insurance companies. He was to supervise their business enterprises in Colorado, Wyoming and New Mexico.

TWENTY YEARS AGO

F. W. Christensen, '09, was professor of animal husbandry at North Dakota Agricultural college, Fargo.

Edwin L. Holton, professor of edu-

cation and dean of the summer school, was elected president of the Kansas Schoolmasters' club and was appointed associate editor of the Kansas Teacher.

Frances L. Brown, '09, state leader of home demonstration agents for Kansas, resigned her position to take charge of club work and home demonstration agents in the Extension division of the Oklahoma Agricultural and Mechanical college, Stillwater.

THIRTY YEARS AGO

Carl Mallon, '07, was a traveling salesman for the C. Hoffman and Son Milling company, Enterprise.

W. A. McKeever, professor of philosophy, returned from New York where he addressed the child conference.

S. R. Tilbury, '07, was employed in the testing department of the Santa Fe railway with headquarters in Bakersfield, Calif.

FORTY YEARS AGO

John Holland, '96, was assistant cashier at the custom house at Manila.

Professors Willard and Hitchcock attended the meeting of the Kansas Academy of Science in Topeka.

While returning from the Gardner farmers' institute, Miss May Secrest of the Domestic Science department visited the Kansas City Manual Training school.

FIFTY YEARS AGO

Professors Kellerman and George-son attended the farmers' institute at Hiawatha.

Professors Graham and Mayo represented the College at a farmers' institute at Stockton.

Professor Walters' lecture on "Industrial Education" was heard by the Manhattan division of the Riley County Teachers' association at Ogden.

SIXTY YEARS AGO

At the regular meeting of Alpha Beta society the names of Misses

Florence and Carrie Donaldson and J. F. Stricker were proposed for membership.

At the third meeting of the Parliamentary Drill club, George E. Hopper was elected president; A. A. Stewart, marshal, and M. H. Markcum, reporter.

KANSAS POETRY

Robert Conover, Editor

FROM CORONADO HEIGHTS

By Marian Steck Stanley

Dark, restless glance of Coronado,
That swept this virgin plain,
What did you see? (O swift to be
A flash with high disdain!)
"Flat land that stretched unendingly
To north, south, east, and west.
Dull, grassy seas' monotonies—
Ah, argosy and quest!"

Blue, steady northland gaze that
scanned
This self-same virgin plain,
What did you see? (So eagerly
And oft you looked again!)
"Sun gold in largess, beckoning land,
Proud of its destined loam,
In place of stress and wilderness,
The dear, lush fields of home."

Mrs. Ernest P. Stanley has lived since early childhood in Salina. She taught history and English in the Salina schools and was for several years society and music editor of the Salina Journal. Her verse has been published in Sunset, the Lyric West, the Harp, the Kansas City Star and other newspapers; and has been awarded second place and honorable mention in the annual poetry contests conducted by the Kansas Authors' club.

SUNFLOWERS

By H. W. Davis

TABLE SERVICE NOTE

I hate to seem cantankerous and disagreeably insistent when I'm really not; but I can't hold in any longer.

Maybe it's my error, and maybe I'm hurtling headlong toward another term in the dog-house, but after more than 30 years of home-cooked meals I hereby assert, without fear of logical and convincing contradiction, that I have been shamefully under-salted, under-peppered, under-creamed, under-sugared, and under-spooned.

There, if that be mental cruelty and gross neglect of dutiful appreciation, make the least of it, please.

I'll admit I'm peculiar. I can't taste salt and pepper that is not shaken by my own hand. I always take both cream and sugar in coffee any time of day twice around the clock. And I prefer lifting jelly, preserves and other sweets from their containers into my own personal service plates with spoons especially commissioned for the purpose. Nor do I like, as occasion sometimes would seem to necessitate, furtively to stir sugar into my coffee with the gentler end of a fork.

There may be a few other husbands like me, husbands whose hearts bulge upward when the salt and pepper, sugar and cream and a full complement of spoons glitter prominently as they (the husbands, of course) sit down to eat. If so, they will applaud me in their hearts, at least. And maybe we together can work up a sentiment that will blossom into a propaganda that will ultimately get something about spoons and sugar and cream *et cetera* written into marriage ceremonies.

I don't know. It may be that I consume more salt and pepper, and camouflage my coffee with more sugar and cream than the best interests of my health and figure would call for, if they had any say in the matter. And it may be that I am rough on spoons, and wear them out at an alarming rate. But any or all of these things, including the depreciation on the spoons, seem to be shamefully little, but *in toto* and the long run, to make a fuss about, or to try to effect a substantial saving on.

I have tried everything short of belligerent, tyrannical invasion of the kitchen and the dining room, to bring about a steady flow of these consumer utilities to my table, but nothing works. Therefore I have determined to carry my fight to the public in the hope that other husbands, similarly underprivileged, will rally round my droopy colors and really do something about them.

As I said in the beginning, maybe I should not have mentioned it. But only Time can tell that, and Time is tight-lipped up to the very last second.

AMONG THE ALUMNI

R. J. Barnett, B. S. '95, M. S. '11, and Flora (Day) Barnett, B. S. '95, M. S. '01, live at 1203 Thurston, Manhattan. Mr. Barnett is professor and formerly was head of the Department of Horticulture at Kansas State College. He is horticulturist of the experiment station connected with the College.

Elizabeth Jane Agnew, D. S. '00, is dean of women at Fort Hays Kansas State college at Hays. She has held this position for several years.

Harry V. Harlan, Ag. '04, is principal agronomist in charge of barley investigations in the division of cereal crops, Bureau of Plant Industry, with the United States Department of Agriculture. Mrs. Harlan (Augusta Griffing, '04) and he live at 5329 Forty-Second place, N. W., Washington, D. C.

Edith (Forsyth) McCrone, D. S. '06, writes that she is "just a farmer's wife." She and her husband, Donald M. McCrone, live on a farm at Milan, Mich.

R. H. Wilson, D. V. M. '09, is senior veterinarian with Parke, Davis and company. He and Mary (Haney) Wilson, f. s., may be addressed at 1214 North Main street, Rochester, Mich.

Scott R. McDonald, Ag. '12, is cattle salesman for the Cassidy Commission company, Kansas City, Mo. He and Mrs. McDonald have three children, Roger, Barbara and Margaret, 17, 15 and 7, respectively. Their home is at 3818 East Fifty-Ninth terrace, Kansas City.

Jay W. Stratton, Hort. '16, and Gussie (Johnson) Stratton, '19, have two children, both of whom are enrolled at Kansas State College. Clyde R. is a sophomore in civil engineering and Mary C. is a freshman in home economics and nursing. The Strattons live at Celina, Ohio. Jay is a field man for the Pet Milk company, Coldwater, Ohio.

Miss Jessie McDowell Machir, College registrar, recently received a letter from Jessie (Evans) Brown, '21.

"After 20 years it isn't to be expected that you will remember a '1921 model' grad, but here I am as if back in main office hanging over the desk for a favor. I used to be Jessie Evans but now it's plus a Brown due to matrimony with a Scotsman some years ago.

"Here's the reason for this note (I seem to have true Hawaiian laziness in never writing people unless I want something badly): One of my former pupils visited Kansas State last October and was so taken with the school that he plans to enroll as a freshman in agriculture, perhaps in the summer. As territorial president of the Future Farmers, he went to the convention in Kansas City last fall. It was on this trip that he made the stop in Manhattan and was so well treated by people whom he met that he's eager to come back.

"It was almost like a visit home to hear him tell about his two days' stay in Manhattan. My husband and I stopped over in 1934 on our return home from Scotland but it wasn't nearly long enough to see everything.

"We live on a sugar plantation on the Island of Hawaii—the largest of the group. It is 200 miles from Honolulu—a night's boat trip or two hours by plane. My husband is assistant manager and, as the production and transportation of cane to the sugar mill depends upon plenty of rain, our main topic of conversation is usually the weather.

"We have three children—Wilma (after my sister, Wilma Evans, '09) who is just past 13 and in the eighth grade of the local school; Jimmy, 11 and a seventh grader, and the wee one, Charles Winslow, aged 1½. There are very few white children on the plantation or in school so that is one of the drawbacks of living in rural Hawaii.

"We have a local high school in which I sometimes teach English. There are 23 teachers, six of them white and the rest Chinese, Japanese, Hawaiian and Portuguese. The 500-odd students are also of the same races plus Filipino, Porto Rican and such mixtures as may ensue from intermarriage. One gets a Jesus Dias, Cupid Matoon, Blossom Hamasaki and such-like names on the register. Our greatest problem is getting them to speak English properly, as there is

a 'pidgin' English used over here through necessity due to the mixture of nationalities and languages. So instead of battling with 'ain't got' we struggle to get little Himalay Pacifico to say 'My father has gone' instead of 'My fadder he bin stay go,' or 'Me I no can hemo dat pohaku' (I can't move that rock). And what a job it is!

"My Aloha, and best wishes to you for 1941."

Ruth (Harrison) Breithaupt, H. E. '22, is a housewife. She and her husband, Edward B. Breithaupt, live at 712 Newton street, Lansing, Mich.

Donald B. Ibach, Ag. '23, who is with the Soil Conservation service at Washington, D. C., recently wrote: "Last evening Zepherine (Towne) Shaffer, H. E. '11; Homer J. Henney, Ag. '21, and myself met at Mrs. Shaffer's home for a visit with Dean Seaton. We discussed the possibility of holding some sort of a meeting here on the anniversary of Founders' day, which I believe is February 16. While we are not in a position to announce the plans, we probably will do something in connection with that event."

John H. Tole, M. E. '24, sales engineer for Westinghouse Electric and Manufacturing company, Memphis, Tenn., has recently been to Kansas, where he and his wife, Helen (Crow) Tole, f. s. '23, visited her home at Dighton. Their home in Memphis is at 99 South Holmes.

Alice (Paddleford) Wood, I. J. '25, called at the College Alumni office in November. She said that her duties other than housekeeping and the care of her child, Lauralee, 3½, consist of many church and community activities. At the time she had just completed a pageant to be produced at Christmas.

Dr. L. A. Spindler, G. S. '26, M. S. '27, and Dorothy (DeWolf) Spindler, f. s., are at 7701 Georgia avenue, N. W., Washington, D. C. Doctor Spindler is a zoologist with the Bureau of Animal Industry, United States Department of Agriculture.

Helen (Batchelor) Pierson, H. E. '27, may be addressed at Rua Estados Unidos (United States street), 166, Sao Paulo, Brazil, South America. Her husband directs social research for the city and teaches sociology in the university there. She writes: "Besides keeping house I am teaching a class in English at the Escola Livre de Sociologia e Politica de Sao Paulo. Our students who do not know English find themselves greatly handicapped in their study of the social sciences, due to the scarcity of materials in Portuguese. Many of them also hope eventually to continue their studies in the United States."

Ralph L. Helmreich, M. E. '28, is district plant superintendent for Southwestern Bell Telephone company at St. Joseph, Mo. He and Caroline (Sheetz) Helmreich, f. s., have a son, Robert, 3. They live at 1915 Lover's lane.

Capt. Ned H. Woodman, L. Ar. '29, is district contracting and purchasing officer for the Civilian Conservation corps at Little Rock, Ark. He and Margaret (Barrett) Woodman, '28, have two children—Jane, 5½, and Jill, 5 months. Mrs. Woodman is former local president of the American Association of University Women.

Lowell Treaster, I. J. '30, is managing editor of the Manhattan Tribune and Manhattan News. He and Mrs. Treaster have one child, Joleen, 6. Their address is 1218 Bertrand, Manhattan.

J. A. Shellenberger, M. S. '31, is head of the biochemical laboratory for Rohm and Haas company, Bristol, Pa. He now has his doctor of philosophy from the University of Minnesota.

Glen H. Boyles, Ag. '36, is city milk and sanitary inspector for Manhattan, succeeding Pete H. Leendertse, Ag. '37, who resigned because of poor health. He is living with his parents, Mr. and Mrs. R. O. Boyles, at 1023 Laramie, Manhattan.

W. J. Pfeffer, E. E. '39, visited at the College last fall. At that time he was working with a gravity meter party in Alabama. Since graduation he has worked with the company in Louisiana, Oklahoma, Mississippi and Alabama. His home address is at Clifton.

Louie Marshall, C. E. '40, is assistant area engineer for the Works Progress administration at Garden City. His address is Box 237, Garden City.

LOOKING AROUND

KENNEY L. FORD

Status of Student Union Bill

The enabling act for the Student Union building encountered rough sailing in the Senate, Tuesday, February 4. However, friends of the bill are still confident that it will be passed. The bill has been reported out favorably in both houses of the Legislature. After about 30 minutes' debate on the floor of the Senate, it was withdrawn and referred back to the committee. Lack of information regarding the operation of the bill seems to be the main difficulty.

Colorado Annual Banquet

The Kansas State College Alumni association of Colorado held its annual banquet Monday evening, January 13. Roy M. Green, president of the Colorado Agricultural college, talked on the subject, "What Can Alumni Associations Do?"

The people present introduced each other in a novel way, each introducing the one to his left. Prof. F. W. Bell then introduced members of the stock judging team and told of their activities while here and the recognition they had received.

Prof. Bruce Taylor, Ag. '31, M. S. '34, coach of the winning judging team of the National Western contest, from Oklahoma Agricultural and Mechanical college, was present.

Tom Park reported as chairman of the nominating committee that the old officers were renominated. Re-elected were: President, Walter J. Ott, '16; vice-president, Charles E. Lavender, f. s. '15; secretary-treasurer, Fern Curtis, f. s. '21.

Harry Eustace, vice-president of the Agricultural Trade Relations, gave a brief review of the book, "The World Is My Garden," written by David Fairchild, son of one of the early presidents of Kansas State College.

Al Bade conducted a floor show in which a quartette of boys and five girls entertained with musical and dancing numbers. The group sang a number of songs, including the "Alma Mater," with Glenn Slaybaugh at the piano.

Members and guests present other than those mentioned above included F. T. Parks, '10, and Minnie (Foreman) Parks, '09; Hazel Hoyt, f. s., and W. S. Hoyt, f. s. '88; Inez Hjort, f. s. '05; B. C. Kohrs, '35; Charles E. Lavender, f. s., and Mrs. Lavender; Edwin H. Hungerford, '40; Jasper Pallesen and Marie (Foreman) Pallesen, f. s. '40; H. A. Burt, '05, and Mary (Strite) Burt, '05; Glenn D. Slaybaugh, '28; Mr. and Mrs. Eugene Olinger; Hazel Hedstrom, all from Denver.

Mrs. W. J. (Millicent Williamson) Ott, f. s., Fort Morgan, Colo.; L. C. Aicher, '10, Hays; Walter M. Lewis, '35, Larned; J. J. Moxley, '22, Manhattan; Louise (Jones) Caddell, '33, and Mrs. R. C. Blasongame, Grand Lake, Colo.; Sherman Hoar, '28, Sterling, Colo.; B. M. Anderson, '16, Kansas City, Mo., and E. E. Sundgren, '35, Brookville.

Wichita Alumni Meeting

Alma (Halbower) Giles, '14, secretary of Wichita group of Kansas State College Alumni association, sends this report of a recent meeting there:

"Over 100 people attended the annual dinner of the Alumni association in Wichita on January 24. The dinner was at Droll's English grill, and the large crowd proved that Kansas State has some loyal supporters.

"New officers elected for the coming year were: President, Clifford W. Currie, f. s. '25; vice-president, J. L. Rader, f. s. '22, and secretary-treasurer, Lois (Windiate) George, H. E. '33.

"Coach Hobbs Adams was the speaker of the evening and showed moving pictures of the K. S. C.-K. U. and K. S. C.-Nebraska football games. Those present from Manhattan besides Coach Adams were Asst. Coach Chili Cochran, '32, Bill Schutte, Kenney L. Ford, '24, and Harvey Roots, '11.

"The oldest class represented at the dinner was that of 1890. The representative was Ralph Snyder who gave a short talk. A. E. Blair, '99, represented the next oldest class. Each graduating class from 1910 to 1940 was represented with the exception of the classes of '34 and '36.

"Those from Wichita who were

present included Ralph Snyder, '90, and Mrs. Snyder; G. H. Weckel, '24, and Alice (Patterson) Weckel, '25; H. M. Denison, '33; C. W. Currie and Virginia (Carney) Currie, f. s. '26; George Harkins, '27; Neil McCormick, '35; A. C. Maloney, '17; Ellen Hall Ambler, '12; Edith Payne McMillan, '12; Fred Carp, '18, and Mrs. Carp; W. G. Case and Bessie (Cole) Case, '21; E. C. Bowers and Gail (Tatman) Bowers, '14; Alma (Halbower) Giles, '14; Wayne Ewing, '32, and Ruby (Nelson) Ewing, '31; L. K. Mock, '37, and Mrs. Mock; John F. Huff, '27, and Emma (Schull) Huff, '27.

"Vance M. Rucker, '28, and Annalou (Turner) Rucker, '27; William Sweet, '30, and Mrs. Sweet; Paul Hutchinson, '29, and Katherine (Fullinwider) Hutchinson, '31; P. J. Dominick and Esther (Beachel) Dominick, M. S. '38; Loyal H. Davies, '29, and Leone (Wilson) Davies, '30; Dr. J. A. Bogue, '21, and Mrs. Bogue; Neva (Colville) McDonnell, '13 and '26; Lucy (Platt) Stants, '12; K. O. Houser, '22, and Mrs. Houser; H. A. Swim, '25, and Bula (Wertenberger) Swim, '20; Arthur J. Rhodes, '05, and Elma (Brubaker) Rhodes, '14; Albert E. Blair, '99, and Jennie (Smith) Blair, f. s.; Minnie Smith, f. s.; Ruth (Gilbert) Burns, '14.

"Alta (Taylor) Smith, '18; Eleanor Davis, '24; Pearl Miltner, '19; Ella (Miltner) Parli, '15; C. F. Morris, '21, and Mrs. Morris; O. F. Fulhage, '24, and Georgia (Daniels) Fulhage, f. s.; Miles George, '31, and Lois (Windiate) George, '33; J. L. Rader, f. s. '22; Dr. L. G. Grandfield, '23, and Mrs. Grandfield; Mark Abildgaard, '12, and Olive (Wright) Abildgaard, f. s.; C. J. Dauner and Margaret (Rochford) Dauner, '24; Frank Bergier, '14, and Crystal (Carnahan) Bergier, '15; R. V. Christian, '11; Lloyd Cole, '10; Nannie (Carnahan) Cole, '12; T. L. Shuart, '18, and Helen (Hunter) Shuart, '18; Louis Cooper, '40; Anelda Runnels, '39; Lyle Pyke, '40; Wayne Hartman and Helen (Martin) Hartman, '39; George Casper, '29, and Mrs. Casper; Helen Culver; Morris Phillips, '39; Arleen Glick, '28; Elizabeth Hullinger, '29; Ina Belle (Wilson) Mueller, '15; Mary (Tunstall) Aufderhar, '16; and R. S. DeLaMater, '32.

"Those from towns outside Wichita were Harold Crawford, '30, Ottawa; A. D. Wise, '12, and Mrs. Wise; George Venneberg, '26, and Mrs. Venneberg, from Clearwater; E. E. Gilbert, '21, Arkansas City, and Betty Lint, '40, Little River."

DEATHS

GRATTAN

Word recently was received by the College Alumni office of the death of Ruth (Blevins) Grattan, D. S. '13, June 10, 1938, of a serious heart ailment. Surviving are her husband and two daughters, all of Tulsa, Okla.

LOGAN

Services were conducted in Manhattan for Daniel Andrew Logan, B. S. '05, former resident of Manhattan who died November 30, 1940, in Chicago, where he had resided the past 20 years.

Mr. Logan was a brother of Mrs. R. C. Barr of Manhattan. He had been an employee of the Rock Island railroad for the past 35 years.

Other survivors include the widow and two children.

BIRTHS

Marvin J. Twiehaus, '36, and Dorothy (Washington) Twiehaus, '36, are the parents of a son, John Marvin, born December 8 in Manhattan. Doctor Twiehaus is an instructor in bacteriology at the College.

John B. Roberts, Ag. '33, M. S. '35, and Mary Alice (Schnacke) Roberts, '33, announce the birth of a son, Robert Charles, December 19. Mr. Roberts is assistant in markets, Department of Marketing and Rural Finance, University of Kentucky. The Roberts home is 112 Iroquois court, Lexington.

To Capt. W. H. Murray, '29, and Mrs. Murray, a son, David Taylor, born December 14 at Topeka. Mrs. Murray is the former Beatrice Brown, '29, daughter of Mr. and Mrs. R. H. Brown, Manhattan. The Murrays, with their new son and their two daughters, Joan and Nancy, have moved to Ft. Monroe, Va., where Mr. Murray has been called.

RECENT HAPPENINGS ON THE HILL

Because of the current radio music controversy, school dances at Kansas State College cannot be broadcast this year.

Mrs. Elizabeth Kidd, national president of Mu Phi Epsilon, woman's honorary music organization, visited the Kansas State College campus last week to inspect the local chapter.

Sherwood Keith, new director of Manhattan Theatre productions, announced that the first presentation of this semester will be "Death Takes a Holiday," by Walter Ferris. The play will be given March 21 and 22.

Martha Wreath, Manhattan, a senior in the Division of Home Economics, has her photograph in the current issue of Successful Farming. Her picture and an article by her on 4-H clubs appear in the issue for February.

The moving picture, "Come Live with Me," with James Stewart and Hedy Lamarr, which is coming to the Sosna theater Sunday, is being sponsored by Theta Sigma Phi, honorary journalism sorority. Proceeds from the ticket sale will be used to send a representative to the national convention next summer.

Eight members of Kansas State College recently received their commissions as second lieutenants in the Coast artillery reserves. They are Carl T. Besse, Clay Center; Carl F. Beyer, Glen Elder; Clair Ewing, Blue Rapids; Bill Geery, Burton; Harry House, Cheyenne, Wyo.; Shelby Lane, Bucklin; Walter Singleton, Tribune, and Carlyle Woelfer, Manhattan.

MARRIAGES

COOTWAY—ABBOTT

Mercedes Cootway and John E. Abbott, D. V. M. '39, were married November 30 at Wrightstown, Wis., the home of the bride. They are now at home at 507 Fourth street, West De Pere, Wis., where Doctor Abbott has a practice in veterinary medicine.

WEBB—HORNBUCKLE

The marriage of Grace Webb, Bufalo, Mo., formerly of Manhattan, and Cecil Earl Hornbuckle, Ag. '39, took place June 1. The Rev. B. A. Rogers, Manhattan, officiated at the ceremony. They are now at Clay Center, where Mr. Hornbuckle is in sales work for Swift and company.

HART—LANCASTER

Zurilda Hart, M. '30, and Leslie K. Lancaster, C. '35, were married Tuesday, October 22, at Benham, Ky. Mrs. Lancaster, a member of Pi Beta Phi sorority, has been teaching in Junction City, where they are at home. Mr. Lancaster is manager of the Western Auto Supply company there.

HERRICK—BALWANZ

The marriage of Genevieve Herrick, Washburn f. s., and Clarence Balwanz, M. E. '38, was November 23, 1940. The bride is a member of Delta Gamma sorority. Mr. Balwanz is a member of Phi Delta Theta fraternity. He is a mechanical engineer with the Topeka Gas Service company. The couple live in Topeka.

COOK—HOFMANN

Catherine Cook, f. s., Eskridge, and C. Edwin Hofmann, D. V. M. '40, were married October 25 at North Rocky Mount, N. C. Mr. Hofmann was a member of the Independent Party council, and drum major of the College band during his four years in school. He is now employed by the veterinary division of the state of North Carolina. The couple's home is in Nashville, N. C.

MACMURRAY—MAYDEN

The marriage of Marguerite MacMurray, Dela Vista, Canal Zone, to Lieut. James Daniel Mayden, G. S. '35, took place October 5. Mrs. Mayden is a graduate of the Oldfield school in Baltimore. Mr. Mayden, a member of Sigma Nu, national social fraternity, received his flying training at Kelly and Randolph field, Texas. He is stationed with the Air corps, United States army, at Albrook field, Panama, where they are at home.

SUMMER SESSION OFFERS NEW EDUCATION COURSES

RECOMMENDATIONS OF FEDERAL AGENCY ARE FOLLOWED

Recreational Sports by Coach Jack Gardner and Guidance Work Are Two New Subjects Being Added This Year

Summer school at Kansas State College, beginning May 28, will include two new courses being introduced this year in line with the United States Office of Education recommendations for education and national defense.

Dean E. L. Holton of the summer school announced this year's summer school would follow the Office of Education's recommendations by offering a course in recreational sports and a course called practicum in guidance.

FOR HIGH SCHOOL TEACHERS

Recreational sports will be taught by Jack Gardner, assistant professor in physical education and head basketball coach. It will include recreational activities for all summer school students, such as basketball, volleyball and badminton. In addition to furnishing recreation for all summer school students, the class will furnish training for teachers and principals in small high schools who have to coach basketball and other sports with no gymnasium or equipment. Professor Gardner said the class will be open to any male student but cannot be taken for credit.

Practicum in guidance will be taught by Royce E. Brewster, specialist in guidance, of the Office of Education, Washington, D. C., and W. T. Markham, state supervisor of occupational information and guidance, Topeka. This course proposes to give a short overview of the problems of guidance and an intensive study in special fields of guidance practices. Another course that will attract summer school students is the basketball coaching class to be taught by Professor Gardner. The class is to be offered for basketball coaches and can be taken for credit in physical education.

PLAN 175 COURSES

During the two months of summer school approximately 175 courses will be taught. According to Dean Holton, also professor in the Department of Education, the summer schedule of classes will be similar to last summer's with the addition of the new education courses.

TWO GIRLS ARE ENROLLED FOR EXPLOSIVES COURSE

Dorothea Klein and Dorothy Doering Taking Class Work in Engineering Defense Work

Dorothea Klein, Topeka, and Dorothy Doering, Garnett, are the only two girls among the 24 students enrolled in a course in explosives at Kansas State College. The class, one of five courses outlined under the engineering defense program, met for the first time Saturday.

Miss Klein, who has operated a cosmetics business in Topeka for the past eight years, received her B. S. degree from Kansas State College in 1931 and her M. S. degree in physical chemistry in 1932.

Miss Doering received her A. B. degree from the University of Kansas and has been studying recently in Girl Scout executive work in Washington.

The explosives course is the second of five courses to be started on the campus for persons interested in engineering training in defense work. The first course, Engineering Drawing, began in January. Each course is a 12 weeks' intensive study period. The course in explosives will be divided into eight weeks of basic study and four weeks of advanced work.

Alford Visits Campus

J. B. Alford, who was graduated from Kansas State College in electrical engineering in 1938, visited the College last week. Mr. Alford is field engineer for Rural Electrification administration in Washington, D. C., and was sent to Kansas to make a report on the REA line in the state.

Miss Ruth T. Botz Employed

Miss Ruth T. Botz has been employed as assistant extension editor of the College Extension service. Her duties in this capacity include working with home demonstration of the College Extension service and with 4-H club leaders and 4-H club agents.

Wrestlers Get Around

Coach B. R. Patterson and the Wildcat wrestling team have driven 5,000 miles in the East and North so far this season for nine meets in Pennsylvania, Virginia, Tennessee, Minnesota and Iowa.

GRADUATE IS RE-ELECTED HEAD OF ART FEDERATION

Charles Marshall, '27, Topeka, Chosen at Annual Meeting in Hutchinson on January 31

Charles Marshall, Ar. '27, Topeka, was re-elected president of the Kansas State Federation of Art at its annual meeting in Hutchinson January 31.

Other officers for the coming year include Dr. Birger Sandzen of Lindsborg, vice-president; Lloyd Foltz, Wichita, treasurer; Gladys Hendricks, Wichita, assistant director; and Prof. John F. Helm, Jr., of Kansas State College, director. This is Mr. Helm's fifth term as director of the federation.

Attendance at the annual meeting and circulation of exhibitions both increased substantially over previous years. During the current college year there are three main exhibitions, including those of the Prairie Print makers, the Prairie Water Color painters and an exhibition of drawings and water colors by New Mexican artists. The federation also cooperates with the Kansas Art Teachers' association in circulation exhibitions of the work of students in the grades, junior and senior high schools and junior colleges.

Next year an individual membership will be added to the federation memberships which will carry with it a gift print by a well-known Kansas artist. This membership probably will be \$2 a year. Other classes of membership are for organizations.

The main exhibition for next year will be a Coronado Quartocentennial exhibition of oil paintings by well-known Kansas artists living within and without the state. There will also be exhibitions of water colors, prints, sculpture, crafts and photographs.

New members of the Board of Trustees are Miss Marjory Whitney of Lawrence, Howard Church of Topeka, Bernard Frazier of Lawrence. Other members of the Board of Trustees are Prof. Paul Weigel of Manhattan, R. W. Potwin of McPherson, Mrs. Arthur Runbeck of Lindsborg, and the president of the Kansas Art Teachers' association.

Those attending the meeting from Manhattan included Professor Weigel, Eugene Mackey, assistant prof. of architecture, and Professor Helm, all of the Department of Architecture, and Mrs. Mary Eck Holland and Miss Rose Marie Darst of the Department of Art.

Professor Mackey presented a paper at the Kansas State Art Teachers' association meetings on February 1 on training students for architecture and industrial art. This was part of the program of the university-college section.

COLLEGE AIDED IN FILLING 318 TEACHING POSITIONS

Institution Cooperates with Local Boards in Selection of Instructors

Kansas State College assisted local school boards in Kansas fill 318 teaching positions during the biennium 1938-40, according to the 38th biennial report prepared by Pres. F. D. Farrell.

The College performs a variety of miscellaneous services such as this during the year upon request for individuals, groups, firms and communities.

DIRECTOR AHEARN ASKS FUNDS FOR FIELDHOUSE

NEW BUILDING WOULD BE AID TO NATIONAL DEFENSE

Nichols Gymnasium, Built 30 Years Ago, Is Called "Totally Inadequate" to Meet Collegiate Athletic Program

Director of Athletics M. F. Ahearn has urged approval of a requested appropriation for a physical education fieldhouse as "an important step in the national defense effort."

The proposed building would replace Nichols Gymnasium, a 30-year-old structure which Mr. Ahearn described as "totally inadequate to meet the agricultural college's program of physical education and athletics for 4,100 students."

PHYSICAL FITNESS IMPORTANT

"The importance of universal physical fitness probably never loomed larger than today," declared the veteran director. "Military officials, educators and leaders in intercollegiate athletics endorse physical education and recreation programs more strongly than ever before because of their need in building and maintaining health."

"Last winter, directors of athletics of the Big Six conference adopted a resolution pledging support to the national defense program," Mr. Ahearn pointed out. "Yet, Kansas State College is unable to contribute its share to the Kansas youth because of totally inadequate facilities."

ASKS "CAREFUL CONSIDERATION"

"It is bad enough that a fourth of Kansas State's students must be turned away from basketball games because of cramped facilities. But this is minor to the extreme need for more indoor space to carry out our physical education and all-College sports programs. I ask members of the Kansas Legislature to give their most careful consideration to this condition—one that affects the health and physical fitness of hundreds of our youngsters."

Approximately 2,000 Kansas State College students are taking two years of required physical education work. In addition, 1,700 participate in the all-College sports or intramural contests. These figures do not include between 400 and 500 boys on varsity squads in intercollegiate sports.

MUST PLAY AT NIGHT

Congested conditions force intramural games to be played at night, Mr. Ahearn said, virtually preventing the freshman basketball team from practicing "except during the evening meal hour." Track, football and baseball workouts indoors during bad weather are prohibited. Physical education classes, he said, are so crowded they must be divided into groups—each group taking turns in the use of the gymnasium floor.

Many uses of the present gymnasium were recounted by Mr. Ahearn. "It houses the Department of Military Science and Tactics with storeroom and staff of 15 officers, the College radio station, literary society rooms, music studios and the Department of Public Speaking classrooms. It also inadequately serves as living quarters for 1,400 boys and girls during the annual state 4-H club roundup and is in demand for dances and large banquets."

Yeo Chosen Swimming Captain

Leo Yeo, a Manhattan junior, recently was elected captain of the 1941 Kansas State College swimming team. Yeo won all-Big Six conference recognition last season for his performances in the dashes.

Jane Rockwell Honored

Jane Rockwell, instructor in journalism and former Topeka newspaper woman, was elected president of the Kansas Newspaper Women's association in Topeka last Wednesday.

FROZEN FOOD REGULATIONS DRAFTED WITH COLLEGE AID

Proposed Code Will Be Submitted to State Board of Health in Near Future

A code of sanitary regulations for frozen food locker plants in Kansas will be submitted to the State Board of Health soon, according to Prof. D. L. Mackintosh of the Department of Animal Husbandry. Professor Mackintosh is secretary of the Kansas Frozen Food Locker association.

The regulations were drafted at a recent meeting of the executive committee of the association, with the assistance of a representative of the State Board of Health.

The proposed rules should insure the sanitation of Kansas locker plants, according to Professor Mackintosh. One of the regulations specified that all food products to be stored in a locker shall be inspected by the plant operator before being stored.

Regulations also specify that approved wrapping paper shall be used, that all plant operators shall provide adequate facilities for cleaning and sterilizing tools and utensils and that all products must be completely frozen before being packed in the storage locker.

There are 160 frozen food locker plants in Kansas having a total of 56,000 individual lockers and more than 200,000 people in Kansas are consuming food from storage lockers, Professor Mackintosh said.

FARM AND HOME GUESTS

(Continued from page one)

Department of Poultry Husbandry, said in his talk that inbreeding is admittedly a hazard in breeding operations but is not as great a hazard as ordinarily believed.

Among the speakers on the Farm and Home week rural electrification program Tuesday were Walter M. Carlton, Kansas State College extension engineer, and E. D. Warner, College extension engineer. Mr. Carlton told his audience that a 150-pound man who climbed to the top of the 500-foot Washington monument would have performed less than 3 percent of one kilowatt hour of work, which would be worth about one-eighth of one cent in terms of electrical energy valued at four cents per kilowatt hour. A one-fourth horsepower motor will do as much steady work in a day as five men, at a cost of one cent per hour where electricity can be obtained for three cents per kilowatt hour, he said.

Mr. Warner recommended careful, advance planning for a complete and adequate plumbing system for the farm home before beginning any installation in his talk on "Plumbing and Sewage Disposal" Tuesday.

J. C. Nisbet, executive secretary of the Ohio Dairy Products association, told a Farm and Home week dairy audience that three steps in building up the producing ability of stock included (1) proving of the bull at the head of the herd, (2) eliminating of all low-producing dams from the herd and (3) selling as seed stock only such registered animals as result from the mating of proved sires, or sires being proved, and dams that have evidenced their ability to produce profitably.

The following Kansas poultry champions for 1940 were announced Tuesday: Certified flock champions, Mr. and Mrs. W. A. Considine, Altam; approved flock champions, Mr. and Mrs. Oliver Klein, Clay Center; flock management champions, Mr. and Mrs. S. S. Hynes, Arlington; poultry brooding champions, Mr. and Mrs. C. C. Whitsitt, Phillipsburg; approved turkey flock champions, Mr. and Mrs. Curt Benninghoven, Strong City.

Six farm women have been invited to demonstrate such home crafts as rug making, carding of wool and knitting in an exhibit of home industries this afternoon.

Thursday and Friday Kansas editors, country correspondents and amateur news photographers and extension workers will attend the fourth annual journalism conference. The two-day program will include discussions on news photography, news cameras and equipment for the small daily or weekly newspaper as well as country correspondence.

CAGERS BUSY DRILLING FOR MISSOURI CONTEST

OKLAHOMA DEFEATS BASKETBALL SQUAD, 46 TO 38

Coach Jack Gardner Says That Entire Team Survives Final Examinations and Physical Condition Is Good

The Kansas State College basketball team is busily drilling for its contest with the University of Missouri here Thursday while the squad recovers from the 46-38 loss suffered at the hands of the University of Oklahoma last Friday night. The Wildcats are now in fourth place in Big Six standings.

Missouri, with no conference victories as yet, now is handicapped by the loss of two members of the squad. Arch Watson, high-scoring pivot man, recently has dropped from school because of low grades. Herb Gregg, left-handed forward, pulled a leg muscle in a game with Nebraska last week and probably will not play.

WILDCATS ARE ELIGIBLE

The Wildcats are all in good physical condition, according to Coach Jack Gardner, and none was forced to quit because of low grades.

The Sooners won the game last Friday night through their ability to make their free throws. Both teams scored 16 field goals, but the Wildcats were able to make only six free throws out of 18 tosses. Oklahoma, on the other hand, was able to make 14 points out of 20 chances.

Led by 6-foot, 7-inch Hugh Ford, the Oklahomans started the game with an attack which netted them a 17-5 lead in the first 10 minutes. Before the half was over, Chris Langvardt, Wildcat forward from Alta Vista, found his mark, and at the half, Oklahoma's lead had been cut to 22-17.

JACK HORACEK SCORES

Early in the last period, the Sooners again stretched their lead to 10 points. Although Jack Horacek, Topeka, who had not scored during the first half, was able to make five field goals, the Wildcats were never able to catch their opponents.

Monday night the Wildcats will play the Iowa State college Cyclones in Nichols Gymnasium for their last home game of the season. The Cyclones have won one game and lost three and are now in fifth place in Big Six standings.

PRIMARY FLYING COURSE LIMITED TO 30 STUDENTS

Quota for Spring Semester Is Same as Past but Number for Advanced Work Not Yet Announced

Students taking the primary student flying course will number 30, according to a proposed contract received this week by C. E. Pearce, professor in the Department of Machine Design, from the Civil Aeronautics authority in Washington, D. C. The quota is the same as that for past semesters.

The class, for which many students already have applied, according to Professor Pearce, will begin the latter part of this week.

Of the 30 students who were in the primary course last semester, 23 passed the work. On failed because of overweight, one of injury and five because they failed to pass the final examinations.

Results of the final examinations taken by the advanced flying group last semester have not yet been released. The quota of students that may take the advanced flying course this semester has not been received by Professor Pearce.

SWIMMING SQUAD DEFEATS THREE COLORADO SCHOOLS

Leo Yeo Sets New Pool Record at Boulder in 100-Yard Event

Kansas State's swimming team, under the guidance of Coach C. S. (Coony) Moll, won three victories while on tour through Colorado last week.

Friday, at Greeley State college, the swimmers were the victors in a dual meet, 67-13. Saturday afternoon, at Boulder, Colo., they won over Colorado university, 59-24, and over Colorado School of Mines, 63-21, in a double-dual meet.

Leo Yeo, Wildcat dash man, set a new pool record at Boulder Saturday, when he covered the 100-yard route in 56 seconds. "Smoky" Stover, Kansas State distance swimmer and diver, won three first places in the 440-yard free style, the 220-yard free style and in the diving competition.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Taxation is one weapon which may be used to check inflation."

Taxation is one weapon which may be used to check inflation. Inflation of the price level results from increased demand for consumption goods. This increased demand usually occurs because people have more money to spend. With more money they endeavor to secure more goods and services than they previously have enjoyed. As a result, more goods and services are demanded and prices tend to rise.

If taxes are increased so that they absorb a portion of the increase in incomes, the demand for goods and services is correspondingly reduced

since the amount which people have to spend is reduced by the amount of their taxes. This influence already is at work in the United States. Taxes have been increased. Income taxes to be paid on 1940 incomes are higher than they were in 1939. This increase in taxes takes a portion of the funds of people and reduces their buying power. This curbs the forces which tend to bring about inflation. Still further use of this power may be resorted to if taxes are further increased to help pay for the national defense program.

THE KANSAS INDUSTRIALIST

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Number 18

ASTRONOMER DESCRIBES DATA OF OUR UNIVERSE

DR. HARLOW SHAPLEY DISCUSSES
KNOWLEDGE OF SKY

Science Club, Sigma Xi, College Assembly Committee Bring Harvard Professor for Campus Talk and Motion Pictures

Our present incomplete knowledge of the universe was compared with the mystery of civilization's turmoil today in a talk by Dr. Harlow Shapley, director of the Harvard university observatory and Paine professor of astronomy there, at the College Auditorium Friday night.

The lecture was sponsored by the College assembly committee, the Science club and Sigma Xi, honorary science fraternity. The title of his talk was "In Defense of the Universe."

SHOWS UNIQUE FILM

Doctor Shapley said that if we knew more about either the organization of the universe or better understood our own civilization, we might know more about the other.

The Harvard astronomer showed a black-and-white motion picture of storms on the surface of the sun. These pictures were taken by M. Bernard Lyot, a Frenchman who perfected a telescope with which it is possible to study the streamers shooting out from the sun without the previous requirement of a total eclipse.

The film, which shows the long fingers of flames licking out from the surface, is the only one of its kind in the United States and is considered a valuable scientific document.

DESCRIBES SKY CENSUS

Describing the procedure for taking a census of the stars in the sky, Doctor Shapley said that small segments of the sky were examined in detail and then they were pieced together to obtain information on the entire heavens. He also told how astronomers used the period of luminosity relationship to measure the distance of remote stars and galaxies.

Doctor Shapley told stories about the Harvard university observatory and how its staff worked. He said that 15 nationalities cooperated in the observatory's activities, thus demonstrating the internationalism of contemporary scientific achievement.

SEVEN FACULTY CHANGES ANNOUNCED BY PRESIDENT

Four Appointments and Three Leaves of Absence Are Included in List Approved by Regents

Faculty changes involving seven persons have been approved by the State Board of Regents and were announced yesterday by Pres. F. D. Farrell.

The announcement included these changes:

During the leave of absence of F. W. Matting, instructor in the Department of Mechanical Engineering, to serve in the United States army, Melvin Estey is appointed assistant in mechanical engineering, effective February 1.

Al L. Neal, instructor in the Department of Chemistry, who has been on leave of absence during the present school year, has been granted an extension of leave from February 1 to May 31; the appointment of E. H. Huffman to serve as instructor in that department during Mr. Neal's absence is continued to May 31.

For the period February 1 to May 31, Miss Laura Pettis Davis has been appointed part-time instructor in household economics.

During the sabbatical leave of absence granted Miss Jennie Williams of the Department of Child Welfare and Euthenics, for the period February 1 to May 31, Mrs. H. K. Work has been appointed part-time assistant.

Will Talk at Hutchinson

Prof. L. R. Quinlan of the Department of Horticulture will go to Hutchinson Friday to speak on "The Art of Landscape Gardening."

To Work in Clay Center

Norma Lee Quinlan of Lyons, I. J. '39, will start to work Monday as a reporter for the Clay Center Dispatch in Clay Center. Miss Quinlan has been employed by the Kansas Power and Light company in Lyons the past several months.

A. A. U. P. RESOLUTION SAYS STATE SHOULD KNOW OF ISMS

College Chapter Wants Kansans to Understand Menaces to Democracy from Ideologies

The Kansas State College chapter of the American Association of University Professors last week passed a resolution asking the State Legislature, "in their admirable endeavor to combat the dangers of national socialism, fascism and communism, to ensure to the people of the state of Kansas their right to know and understand the dangers that threaten them, so that they may most successfully attack and overcome them."

The resolution in full follows:

"Whereas, the Kansas State College chapter of the American Association of University Professors, and every individual member thereof, do abhor and execrate the systems and the deeds of national socialists, of fascists, and of communists; and would do everything possible to stop the spread of these systems and their doctrines, as pernicious and abominable and incongruous with human dignity and intelligence;

"And whereas, as has been shown for example in the field of human health, where education of the public has been most effective in combating cancer and tuberculosis and other scourges, education of the public to its own dangers is a highly effective method of combating dangers;

"And whereas, maintenance of ignorance is a method of enslavement employed by national socialists, fascists, and communists, and is consequently a process to be avoided in a democracy;

"Therefore be it resolved, that the Kansas State College chapter of the American Association of University Professors, and every individual member thereof, do urge the Legislature of the state of Kansas, in their admirable endeavor to combat the dangers of national socialism, fascism, and communism, to ensure to the people of the state of Kansas their right to know and understand the dangers that threaten them, so that they may most successfully attack and overcome them."

Copies of the resolution were sent to Gov. Payne Ratner and to both houses of the Kansas Legislature.

Gets Nebraska Job

Katharine Chubb, who majored in journalism at Kansas State College, has a position at the University of Nebraska at Lincoln as assistant agricultural editor. Miss Chubb went to Lincoln February 1.

BIENNIAL REPORT OF EXPERIMENT STATION TELLS RESULTS OF MORE THAN 100 PROJECTS

Results obtained during the past two years in more than 100 projects of the Kansas Agricultural Experiment station are reported in the 10th biennial report of the director, published recently by the station.

Projects reported upon include those conducted at the central station at Manhattan, at four branch stations located at Garden City, Colby, Tribune and Hays and on numerous outlying farms and experimental fields.

All of the work is conducted upon a project basis and is presented in the report in five distinct fields of activity: agricultural economics, soil conservation, the plant industries, the animal industries and home economics.

The exchange of information between research workers is the primary purpose of the biennial reports of the station.

"Much progress has been made during the past biennium in coopera-

FARM AND HOME WEEK VISITORS PASS RESOLUTION SUPPORTING STUDENT UNION, RESIDENCE HALLS

REGISTRATION FIGURE GOES TO
TOTAL OF 1,950

Two Graduates of College Included Among Those Receiving Recognition as Master Farmers of Kansas

A total of 1,950 people registered at one or more sessions of the Farm and Home week program here last week. The attendance was approximately 300 over last year's figure.

L. C. Williams, assistant dean of the Division of College Extension who was general chairman of Farm and Home week, said the four-day meeting of farmers and homemakers went off very well. He stated that he wished to compliment the people of Manhattan for cooperating with the College in making rooms available for the campus visitors.

HONOR TWO GRADUATES

The Rural Pastors' conference, which was introduced for the first time in the Farm and Home week program, was well attended and will be continued in the future, the general chairman said.

At the banquet Friday night, which climaxed the Farm and Home week activities, two Kansas State College graduates, Merle G. Mundhenke, '29, Lewis, and Fred D. Strickler, '25, Hutchinson, were awarded the title, "Master Farmer of Kansas." Arthur Christiansen, Columbus; Ralph Hornbaker, Stafford, and August Dietrich, Carbondale, were also given master farmer honor.

Mrs. Winifred Meers Parcel, Coldwater, and Mrs. Gladys Lillian Dawes, Colby, were named Master Farm Homemaker at the same banquet.

Thomas county achieved permanent possession of the Farm and Home week attendance trophy at the annual Achievement banquet. It was the third successive year in which the county has led all others in the annual attendance contest, in which county scores are computed by multiplying the registered attendance from that county by the distance from the county seat to Manhattan.

INTRODUCE SIX STUDENTS

Six outstanding students were announced at the annual Achievement banquet which closed the 72nd annual Farm and Home week. The five seniors and one graduate student were selected on a basis of their scholarship and extracurricular activities during their four years of college work. They were introduced to an audience of more than 1,000 by Dean Margaret M. Justin of the Division of Home Economics.

The six students and their divisions were Ray Adams, Manhattan, Division of General Science; Dorothy Green, Wichita, Division of Home Economics; Howard M. Zeidler, Gilead, Division of Home Economics.

(Continued on last page)

Challenge to Farm Women

Mrs. J. R. Reigart, Baxter Springs, member of the State Board of Regents, told a Farm and Home week audience Friday that American women were "a race of sleeping giants," attributing the phrase to Gen. Hugh S. Johnson, columnist. She said that Americans had taken democracy for granted for many prosperous years and now, in time of crisis, the American people should prove anew that they are fit to govern themselves and wish to do so.

TWIN BROTHER OF '40 CHAMP TAKES LITTLE ROYAL HONORS

Merrill Abrahams of Wayne Wins Livestock Recognition with Poland China Hog

Merrill Abrahams, Wayne, followed in his twin brother's footsteps last Thursday night when he was named grand champion in the livestock division of the Little American Royal held in connection with Farm and Home week. Last year, his brother, Maynard Abrahams, won the same award.

Charles Repstine, Cummings, a freshman, was chosen grand champion in the dairy division.

The Abrahams twins each won in the division showing hogs. Merrill won last week with a Poland China, while his brother won last year with a Duroc Jersey. Both have had considerable previous show-ring experience.

Reserve champions for each division included Ralph Bonewitz, Meriden, in the dairy division, showing an Ayrshire cow, and Clarence Shandy, Wakefield, showing a Southdown lamb.

E. E. Germain, superintendent of the dairy at the State Industrial reformatory at Hutchinson, and Francis Arnold, president of the Kansas Livestock association, presented ribbons to the winners of the various contests.

SECOND DRAWING COURSE WILL START FEBRUARY 17

Questionnaires Being Sent to Applicants Who Want Schooling Under Defense Program

The second course in engineering drawing in connection with the engineering training defense program will begin February 17, according to an announcement this week by Prof. M. A. Smutz, supervisor of the course.

Questionnaires are being sent to more than 100 applicants from which 50 students will be selected to enroll on the 17th. It is assumed that there will be a third course in engineering drawing started later in the year for those students who were unable to come for the second course and others who are interested.

Requirements for admission to the course in engineering drawing are fewer than for other defense training courses offered here. It is necessary that the student be a graduate of an accredited high school and have two years of mathematics. C. E. Roper, assistant to W. W. Carlson who is head of the defense training here, said the course is popular because of the low entrance requirements and because of the great demand for qualified draftsmen in defense industries.

Professor Smutz said it would be necessary to hire two new men to teach the course. These men will be hired directly from industry because the course is one of practical experience, he added.

Close correlation will be maintained between the shop and drafting-room work. Shop courses required in connection with the drawing course will be shop process, shop mathematics and gauges and measurements.

O. O. WOLF AND MRS. MCKINNEY
OFFER STATEMENT

Dean Helen Moore Says Need for Center for Social Life Is More Important as City's Population Expands

A resolution approving the proposed Student Union building and new residence halls was passed by Farm and Home week visitors at the banquet Tuesday night.

Dr. O. O. Wolf, Ottawa, president of the Kansas Farm bureau, made the motion, and Mrs. J. C. McKinney, Hartford, legislative chairman, home demonstration council, seconded the motion for the passing of the resolution.

URGE ENACTMENT

The resolution read:

"We, the Kansas Farmers and Kansas Farm Homemakers in attendance at the annual Farm and Home week conferences, wish to express our approval of the proposal for constructing residence halls and student union building at the state-owned schools as outlined in Senate Bill No. 25 and House Bill No. 38 before the Kansas Legislature now in session.

"We further urge the enactment of this legislation by the present legislature as means to providing adequate facilities for students at state schools without any burden on the tax payer."

Discussing the Student Union building, Miss Helen Moore, dean of women, said this week that the need for centering social life on the campus, under college supervision is becoming more and more necessary. She pointed out that the population of the College community has increased rapidly the past few months. The prospective continued increase in population, a major part of which is due to the rapid growth of nearby Ft. Riley and Camp Funston, is making the already overtaxed facilities even less adequate to accommodate the needs of the approximately 4,000 students.

UNION WOULD HELP

A Student Union building would go a long way toward providing the badly needed facilities, Miss Moore explained. She pointed out that the only available ballroom has a capacity of 600 persons.

The need is not entirely for social facilities. Miss Moore's office has a record of more than 1,000 meetings of College student organizations on the campus last year. Most of these were conducted in rooms which are inadequate and poorly adapted to the purpose. The proposed Student Union building would provide rooms for all types of organization meetings on the campus.

Of greatest importance, in the opinion of the dean of women, is the need on the campus of a wholesome place for students to meet their friends. Under present conditions the only places for students to meet are public. That means that the students who do not have money, and there are many who must keep expenses at a minimum, have no place to meet friends or to make new friends.

PENDING IN LEGISLATURE

Miss Moore said the need could be met with the proposed Student Union building. Enabling legislation is pending in the State Legislature. The College is not asking for an appropriation for the Student Union building. It would not increase the tax levy. The building would be paid for by students through fees and rentals for social functions. All the College is asking, Miss Moore emphasized, is enabling legislation which will permit the State Board of Regents to proceed.

Dean Moore revealed that 24 organizations of Kansas women, with a total membership of approximately 100,000, are behind an effort to provide dormitories and better housing for the approximately 1,200 women students enrolled here. The 24 Kansas women's organizations which al-

(Continued on last page)

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WEDNESDAY, FEBRUARY 12, 1941

FEWER AND LARGER FARMS

In the United States as a whole, farms are declining in number and increasing in size. In the past 10 years, according to the 1940 census, the number declined about 3 percent to a total of 6,096,789. The largest decline in number of farms, 12.6 percent, was in the West South Central states, Arkansas, Louisiana, Oklahoma and Texas. In the West North Central states, to which Kansas belongs, the decline was 2 percent. Kansas now has 156,327 farms, compared with 166,042 10 years ago. In Minnesota, another West North Central state, the number of farms increased by about 12,000.

In general, the size of farms has increased and the number has diminished in those areas where economic pressure and production difficulties have been acute. The number has increased and the size has diminished where conditions have favored a type of farming based on the farm as a place to live. In New England, for example, the number of farms increased 8 percent and the average size of farm declined correspondingly. In Connecticut in 1930, the average size of farm was 87 acres, but in 1940 it was only 71 acres. Ohio shows a similar trend, the average size of farm having declined from 98 acres to 93 acres. In Kansas, on the other hand, the average size of farm increased from 283 acres to 308 acres.

Farming primarily as a way of life is feasible on small farms with favorable prices and weather conditions. Farming primarily as a business requires comparatively large farms, particularly if weather conditions or prices are unfavorable. In the past 10 years in the United States as a whole, economic and weather conditions have encouraged or required special emphasis on the pecuniary aspects of farming and the average size of farm has increased.

It may be too early in our agricultural evolution to determine whether in the United States major emphasis finally is to be placed upon farming primarily as a business or primarily as a way of life. In the older countries, farming as a way of life usually has come to predominate. That kind of farming seems to have greater survival value in the long run than the kind in which farming is regarded primarily as a business.

BOOKS

Story of a Folk Art

"American Figureheads and Their Carvers." By Pauline A. Pinckney. W. W. Norton and Company. New York. 223 pages.

When I was a boy growing up in a small town in southern Missouri, there was a loafer who contrived the most delicate and lovely objects out of wood, and put them together in bottles. These were folk art.

I remember how as a boy I thought something should be done to capture these creations of the artistic impulse and put them in permanent form, so that others might delight in them as I did. As everybody knows this has been done by patient research workers for some of the folk arts of America. We already have in permanent form, for example, many of the ballads that the folk artists of older days spoke or sang, thanks to the pains-

taking efforts of Carl Sandburg and others.

A folk art which the researchers had overlooked until now is the carving of American figureheads. These ornamental figures were carved in wood. American packets, whalers, ships-of-the-line, clippers and frigates carried them proudly on their prows. Throughout more than a century, when the art flourished in the United States, many hundred figureheads were carved by trained workers in Boston, Philadelphia and other ship-building centers. Fortunately, a good many fine examples have been preserved, and the best of these are reproduced in 32 full-page plates in this volume.

Miss Pinckney asserts that ship carving was one of the first expressions of the plastic arts in this country and therefore represents an important epoch in American sculpture. Her book is the result of careful research, though the presentation is in popular language.

It tells the story of ship carving in easy-to-read narrative, tracing the art from its beginnings to the end. The end came with the general use of steel and iron steam vessels, when there was no longer the need of ship carving.

Miss Pinckney is a former art teacher in Texas and Kansas. She was a member of the art faculty of Kansas State College.

There is a special appropriateness in a Pinckney's working with a subject that is associated with distinctive art form which flourished when the country was developing an individuality and winning independence. For Miss Pinckney belongs to the family of those same Pinckneys of North Carolina who were prominent as founding fathers of the United States. Her present home is in Washington, D. C., where she is continuing her researches in the American folk arts.

—Charles E. Rogers.

Mr. Rogers was for 20 years a teacher in the Department of Industrial Journalism and Printing at the College. For 13 years, he was head of the department. He resigned December 31, 1939, to become head of the Department of Technical Journalism at Iowa State college.

TRIALS FOR ANIMALS

During the middle ages animals, as well as men, could be brought to trial for crimes they had committed.

In Falaise, France, in the year 1386, a sow which had attacked a baby, and eaten part of the child's face and arm, was formally sentenced by the court to have its snout and foreleg chopped off by the executioner. The punishment was intended to correspond to the injuries done to the child. In 1389, at a locality not exactly known, a horse was sentenced to die because it had kicked a man to death.

These sentences, and many others of a similar nature, offer but a superficial resemblance to modern court procedures in which animals are involved, of which the most common is that of a dog sentenced to death because of repeated attacks on humans. In the latter case, the dog's extermination is ordered because he is dangerous and a menace to the populace; whereas, in the ideology of the middle ages the animal was regarded as consciously responsible for its deeds and therefore liable to punishment on moral grounds in the same way as human malefactors.—From Field Museum News.

EDUCATION AND DEMOCRACY

If our democracy fails, our system of education will fail. If our system of education fails, our democracy will fail. Colleges and universities must provide leadership and training for national defense and also for our very national existence during the years to come.—Kenney L. Ford of the American Alumni council in a paper given at a Columbia, Mo., conference of district alumni officers, December 5, 1940.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Dr. John S. Houser, '04, in charge of the work in entomology at the Ohio Experiment station, Wooster, Ohio, was elected president of the American Association of Economic Entomologists at Cleveland.

Miss Emma Hyde of the Department of Mathematics went to Joplin, Mo., to attend the meeting of the

SCIENCE TODAY

By M. W. FURR

Professor of Civil Engineering

The highway system is the function of a public roads administration—local, state, municipal and federal. The problem of providing adequate highways for modern traffic is one of tremendous scope and high order. Briefly, it involves planning, design, improvement, maintenance, financing and administrative control.

The development of roads, streets and highways is rendered possible only by collecting, compiling and analyzing all sorts of information. The data may deal with physical features, the volume, character and distribution of traffic—and related subjects of military uses—the co-ordination of transportation and the effect of tourist movements, agriculture and industry on highway traffic. It is noteworthy that the systematic compilations of data, imperative for use in the development of highway facilities, are of recent origin.

The advent of motor transport gave added impetus to the value of engineering science and research investigations in road-building programs. Rational planning of highways and the determination of the priority of improvement has been made possible because of the completion of road and traffic inventories giving the essential facts relative to the use of highways.

Compare the modern method used to transport commodities, groceries for example, with that of pre-motor-truck days. Also, visualize a system of highways which will be satisfactory for the movement of military traffic necessary to execute a plan of national defense. There are many links in a system of roads—military and otherwise, each of these requiring construction according to present and potential uses by intrastate and interstate travel. Oftentimes, the bridge, on account of its high cost, is the barrier to through traffic. This is one of the important problems of the civil engineer.

Another important problem at the present time is to provide highway facilities that will be of use in the national defense program. Obviously, a program of highway improvement prescribed for national defense must be based on an assumption or conception of the use to be made of the highway system contemplated for this purpose. A lack of uniform judgment on the matter of the use of the highways for defense, or in time of war, would result in a wide assortment of recommendations. If an emergency exists, if war is imminent and invasion is probable, civilian evacuations, a gigantic movement of troops, equipment and supplies would be essential.

Is the demand, therefore, for a network of super-highways; for a rather extensive program of adjusting and improving the existing facilities; or, because of the urgent need, for the rapid completion of the peace-time program to be constructed as planned for public use?

It is now certain that important changes are taking place in the use of highways. The mechanization of armies and the extensive developments in motor traffic necessitate much scientific study to determine what measures ought to be taken by highway administrative agencies. Such a program of improvement is in potential preparation—many miles of strategic highways, designated by and constructed to the standards of the War department, should be built. Reconstruction and improvements will suffice on the accepted existing routes. Many bridges will need to be built and old ones will require strengthening to meet the loading standards. Road surfaces will require rebuilding in many localities and additional roads will be necessary to provide for local movements adjacent to military reservations. Also, numerous other pertinent highway elements will be required to be built to enhance the road system and simplify its operation.

American Association of University Women. She was president of the Kansas division.

Pres. F. D. Farrell returned from a trip in the East. He attended a meeting of the advisory council of the National Broadcasting company in New York and in Plainsboro, N. J., spent a day visiting the Walker-Gordon dairy farms. He also spoke at the annual Farm and Home week at the Ohio State university, Columbus, Ohio.

TWENTY YEARS AGO

Mrs. J. R. (Elizabeth Cox) Kregar, '80, was fifth district chairman of the Kansas Federation of Women's Clubs. Mrs. Kregar's home was in Junction City.

Prof. George Dean, head of the Department of Entomology, was called to Chicago to confer with representatives of the American Specialty Manufacturing association and the Southwestern Millers' league. Professor Dean was entomologist for the latter organization.

Dr. George A. Young, '12, was appointed on the state board of veterinary examiners for Nebraska for a three-year term. Doctor Young's home was in Syracuse, Neb., where he owned his own hospital. He was also vice-president of the State Veterinary Association of Nebraska.

THIRTY YEARS AGO

J. L. Pelham, '07, was superintendent of the Underwood orchards at Hutchinson.

R. J. Barnett, assistant professor of mathematics, spoke in chapel on "Everyday Business Pointers."

W. A. McKeever, professor of psychology, addressed the Kansas Bible institute of Topeka on "New Ideals of Christian Manhood." Arthur Capper, a member of the State Board of Regents and owner of the Topeka Daily Capital, spoke on "The Modern Newspaper."

FORTY YEARS AGO

President Nichols spent a day in Topeka on College business.

Miss Gertrude Williams, the new instructor in calisthenics, took charge of her department on February 1.

H. C. Avery, second-year student in 1897, after graduation from the University of Kansas was employed

SUNFLOWERS

By H. W. Davis

A DIGEST TO END ALL DIGESTION

Recent expert conclusions laid before congressional committees looking into lease-lend proposals have been reported to the best-informed nation on earth by super-newshawks with such clarity as to make a succinct digest of the world situation practically mandatory. Knowing of no brain better qualified than my own for such a task, I have decided to lay my mathematical and compensatory genius and reputation for logic on the altar of my country, even at the risk of summary incarceration in whatever lunatic asylum seems best fitted to handle me.

Here is the situation in a nutshell as I get it from headlines and the summaries of commentators—all averaged up, boiled down, seen through, and concentrated to within less than one-tenth of one degree of the vanishing point of comprehension, if not considerably further.

Germany has 49,374 bombing and fighting planes and 38,169.28 pilots to hurl across the channel against England's 5,621.82 planes and 5,000 pilots, as soon as the fog lifts. (These averages are snatched from the testimony of 19 confessed experts, some of whom have years of political experience and office holding back of them.) The flow of material aid to England from America, as of today, will neutralize this German advantage in 14 years, 8 months and 23 days provided all of Germany's factories are immediately smashed by the insignificant Royal Air Force and not reopened. These figures also presuppose that all labor strikes crippling airplane production in America are settled by the first of next week.

In addition to completely obliterating England and all Englishmen within the next 30, 60, 90 or 180 days, Germany will starve them to death 18 months later by her U-boat campaign unless we swap 20 modern destroyers for the battleship King George V at once as evidence of our intent to keep on until all of our 52 destroyers are bartered away.

Six months after the unavoidable, immediate conquest of the British empire and the consequent acquisition of His Majesty's navy and our destroyers, Hitler will have air bases operating in Argentina, Brazil, Mexico, Newfoundland and Iceland that will hinder the preliminary surveys of our new bases in these same countries as well as in Bermuda, the Bahamas and Puerto Rico. This will also make possible massed air raids on Sandusky, Ohio, and Lubbock, Texas, not to mention Ginger Blue, Ark. Of course if Lindbergh's proposed 10,000 active and 10,000 reserve planes can be got ready two years sooner than possible, this danger may be discounted 27 percent.

England has only \$1,978,233,651 to pay for the \$17,000,000,000 worth of stuff she must have by March 1 but cannot get before June, 1946. Unless we raise our debt limit four or nine billions at once to compensate for that \$15,000,000,000 discrepancy the Treasury department may develop a headache.

Winston Churchill, who will very probably be among the exterminated by April 1, 1941, will have no need for the army and the navy of the U. S. A. earlier than 1942, at which time he will reincarnate himself and announce his war aims other than counter-exterminating Hitler and keeping democracy afloat.

Now, please keep in mind that these presumptions and figures are not my own. Any likenesses they bear to the results of my personal thinking are purely coincidental, I hope. They are merely an exact and exhaustive compendium of what headline writers and newscasters have flashed to me about the expert testimony given before congressional committees during the past two or three weeks.

What can you do about it? Well, certainly the least you can do is write your congressman and senators cheerful little letters assuring them that you understand how confused they must be and promising them your vote if we ever get around to having another election. This will calm them down so they can think the whole delirium through and emerge with a lease-lend bill that will make the return of happy days as easy as settling a strike with a substantial increase in wages.

KANSAS POETRY

Robert Conover, Editor

GHOST TOWN

By Irma Wassall

Below the sky of peacock blue lie rain-bow hills:
The farthest deeper blue with distance,
and nearer, purple
And pink and coral, bright green and
gray and faded turquoise,
With dull mauve streaks of twilight-colored sage.

And nearer still a bowl of yellow desert sand,
Strewed with white skulls of cattle, a lone pale-eyed owl,
Dark green cacti, prairie dogs and scurrying brown Jackrabbits; and the ruined remnants of a town
Once rowdy, booming, now deserted in the dusk:
Each weathered, doorless house and store an empty husk.

A ghost of the dead town rises, a misty white image,
Floating pale and cold against the colored hills.

Irma Wassall (Mrs. Fred Wassall) of Wichita has contributed verse to many leading publications. Among her new markets during the past year were Common Sense, Mexican Life, Commonweal and Good Housekeeping.

as topographer in a surveying party working on the line of the projected Kansas City, Mexico and Orient railway.

FIFTY YEARS AGO

Professors Failyer, Georgeson and Mayo were on the program of the Wabaunsee Farmers' institute.

A. F. Cranston, '90, was studying law at Parsons, his home.

J. B. Brown, '87, was temporarily in charge of the United States Signal service office in Wichita. When relieved he expected to be ordered to Nashville, Tenn., where J. S. Hazen, '88, was stationed.

SIXTY YEARS AGO

President Fairchild spent two days in Topeka on College business.

At the meeting of the Alpha Beta society, Miss Kennet and Mr. Stricker were initiated.

At the February meeting of the Scientific club, the following papers were read: "Electrical Fish," by M. A. Reeve; "Geological Notes on Woodson County," by W. Knaus, and "Building Stone," by W. Ulrich.

AMONG THE ALUMNI

Christine M. Corlett, B. S. '91, adjustment clerk for the division of loans and currency, Treasury department, Washington, D. C., writes:

"Some time ago I received an autographed copy of Doctor Willard's newly printed history of our College. I imagine I was more thrilled in reading it than most of the more recent graduates, for my memory goes back to the day I entered as a student, late in the fall of 1887.

"Harry Gilstrap and I took our 'exam' at the same desk, entered the same (advanced) classes and were friends until his death. He was a fine boy, a fine man and the son of a fine mother, whom I also knew.

"In the pictures of older days, I saw many whom I recognized. Many of the buildings pictured brought pleasant memories. The book will be placed with my treasures."

Bryant Poole, Ag. '01, is a member of the Poole-Dempsey-Rutherford Livestock Commission company. The office is in the Livestock Exchange building, Kansas City, Mo.

Leon V. White, C. E. '03, Prof. in Engrg. '18, is associate professor in civil engineering at Kansas State College. He and Florence (Hug) White live at 1832 Anderson, Manhattan.

William Ljungdahl, f. s. '05, recently changed his address in Topeka to 1163 Randolph. He is a member of the commission of revenue and taxation.

Lois Failyer, B. S. '07, is home economist with the Federal Bake shop, 25 Prospect place, New York City.

Dr. J. W. Harner, '09, 642 Spring street, Memphis, Tenn., is on yard inspection work for the United States Bureau of Animal Industry. He visited relatives and friends in Manhattan and at the College the latter part of October.

Martha (Linn) McKinstry, H. E. '12, and her husband, Gilbert McKinstry, are at Oyen, Alberta, Canada.

Harold T. English, Ar. '14, is a partner of the firm Smith and English, architects, at Hutchinson. He and Mary (Lemon) English, '14, live at 203 West Ninth, Hutchinson.

Hachiro Yuasa, B. S. '15, M. S. '17 and Ph. D. '20 from the University of Illinois, is an honorary associate of the American Board of Commissioners for Foreign Missions. He is president of Doshisha university at Kyoto, Japan.

Faith (Earnest) Soller, H. E. '16, is at Washington, Kan. Her husband, Walter A. Soller, is vice-president of the Washington State bank. They have a daughter, Ernestine, 15.

Frank O. Blecha, Ag. '18, M. S. '27, and Hazel (Pierce) Blecha, '17, live at 1507 Leavenworth, Manhattan. Mr. Blecha is a district agent in extension at the College.

John S. Gullledge, E. E. '20, is St. Louis district manager of mechanical sales for the B. F. Goodrich company. His home is at 1058 South Vandeventer avenue, St. Louis, Mo.

Married in August, 1940, were Grace Van Scoik, H. E. '22, and Andrew Laurence Haag. Their home is at 2218 East Anaheim street, Long Beach, Calif.

The Department of Industrial Journalism and Printing recently received a folder with this notation at the top: "From Lois Burkhardt Clark, f. s. '23, now a four years' resident of England, greetings. We could use a little cooperation in the Far East, and by the time this reaches you I hope it will be forthcoming." The folder which she sent is published by Americans in Britain who have organized into a committee to defend America by aiding the Allies.

Capt. E. E. Howard, C. E. '25, Prof. in C. E. '31, reserve officer in the United States army, who was called to Ft. Snelling, Minn., for a few weeks' training, is now at Camp J. F. Robinson, Little Rock, Ark. His wife, Phyllis Burtis, '25, and his children have joined him at Little Rock.

Paul E. Chappell, f. s., and Kathryn (King) Chappell, G. S. '26, have purchased the property at 415 North Fifth street, Manhattan, and will reside at that address. Mr. Chappell, who has been employed in New York City, will be associated with his fa-

ther and brothers in the Chappell creamery.

Harry E. Reed, M. S. '28, is assistant chief in the Agricultural Marketing service, U. S. D. A., Washington, D. C. He and Florence (Evans) Reed, '17, are living at 5420 Connecticut avenue, Apt. 402, Washington, D. C.

Joe Shenk, E. E. '29, is engineer with the Southwest Telephone company, Kansas City, Mo. The Shenks live at 324 East Seventieth street and have three children, Janice Lee, 6, and twins, Jean and June, 3.

Orpha Brown, H. E. '30, is on a leave of absence from her work as county extension agent in Montana, to complete her master's degree at Columbia university. Her address is 1230 Amsterdam avenue, New York City.

Richard G. Vogel, C. '31, and Thelma (Waterman) Vogel, f. s. '31, live at 2701 Burlingame road, Topeka. They have a daughter, Virginia Ann, 5. Mr. Vogel is treasurer and secretary of Washburn college, Topeka.

Edith G. Lauck, H. E. '32, lives at the King Edward apartments, Craig at Bayard, Pittsburgh, Pa. She has been food supervisor of the King Edward dining room for four years.

Ruth E. Crawford, H. E. '32, writes:

"On January 1, I came to Grants Pass, as a member of the Oregon Extension service staff. I feel quite fortunate in being located here. It is beautiful country located in the heart of the mountains, just a few hours from the coast, Crater lake and the Oregon caves. Grants Pass is quite a resort place noted for the fine fishing on the Rogue river, and for the fruit production. It relies a great deal on tourist trade. Each day that I go to a new community holds a new thrill of beautiful scenery. The mountains here are covered with fir, pine and ferns, and it isn't far on this Redwood highway to the actual redwoods.

"I enjoyed my graduate work at Oregon State last term. A number of nationally known people are on the staff, including Maud Wilson in home economics research, and Mrs. Azalea Sager, state home demonstration leader. I shall always remember the fine associations in Kansas, and will look forward to the bits of news in THE INDUSTRIALIST that are a big help in keeping in touch.

"My address is Home Demonstration Agent, Grants Pass, Ore."

Sina Faye Fowler, M. S. '33, who was in charge of the College tea room from 1935-1938, is now director of the Butler university cafeteria, Indianapolis, Ind.

W. F. Waddell, D. V. M. '35, is with the United States Bureau of Animal Industry at Grand Rapids, Mich. He has a daughter, Patty Lou, 2½.

John L. Noble, C. E. '37, visited the campus January 10 and told of his work for the Portland district for the United States Engineers. He had been at the Central Concrete laboratory, West Point, N. Y., for six weeks and was returning to his work in Oregon. His address there is 2046 Northwest Irving street, Portland.

Maynard M. Furney, M. E. '38, is a flier in the U. S. navy on the aircraft carrier, U. S. S. Ranger. His address is V. F. 4, N. A. S., Norfolk, Va.

Howard R. Stover, M. E. '39, is half-time graduate research assistant in mechanical engineering at the University of Illinois. His work is in the field of heating and air conditioning in connection with the warm air heating research residence. He expects to receive his master's degree in June. His residence is 1108 West Stoughton, Urbana, Ill.

Lieut. Walter E. Burrell, M. E. '40, writes:

"At the present time I am on duty as a reserve officer at Ft. Richardson near Anchorage, Alaska. At this post there are two other K. S. C. alumni, Lieut. Fred M. Crawford, '38, and Lieut. Ovitt M. Wells, '34. We are officers in the 75th Coast artillery (anti-aircraft) which was sent here in November, 1940.

"Since I have been in the service I have met several other K-Staters. Lieut. Charles Manspeaker, '40, and Lieut. Fred Gardner are on duty at Ft. Worden, Wash. Lieut. Louis Rotar, f. s. '39, is in the Canal Zone.

"I have enjoyed reading THE INDUSTRIALIST and hope to keep in touch with the school through it in the future."

LOOKING AROUND KENNEY L. FORD

Ames, Iowa, Dinner

Philip T. Allen, Ag. '39, who is in the Economics and Sociology department at Iowa State college, Ames, wrote: "You will be interested to know there were several K-State graduates and former faculty members at a Kansas day dinner in Memorial Union, January 29. Among those present were C. E. Rogers, M. S. '26, formerly head of the Kansas State Department of Industrial Journalism and Printing; J. C. Cunningham, '05; Marcia Turner, '06; Ione (Clothier) McNay, '36; Bill McDanel, '38; Dale McCarty, '39; Leo Hoover, '40; Wallace Kirkbride, '40; Don McCoy, '40, and Charles Curtiss, M. S. '40."

Thanks for Alumni Loan

The Alumni association last week received this note from the parents of a boy aided in getting his education by the Alumni Loan fund:

"It was your association that made it possible for him to go on with his studies and make good the trust that you and I had placed in him. We appreciate your help more than words can express.

"In gratitude to alumni for their fine work, we say long may the association live in its endeavor to help others just as you helped our boy, so that others may get your support to appreciate it as we have appreciated—rather prized.

"We wish to thank all the alumni who have made this fund possible, many times."

Form Chicago Unit

A group of Kansas State men with the Western Electric company in Chicago have established a regular meeting date, the third Monday in each month except in the month of July. The group held its first meeting January 21.

Those present were F. M. Adair, '30; J. L. Brubaker, '30; C. L. Erickson, '27; W. T. Foreman, '20; H. W. Garbe, '27; S. H. Heath, '26; E. W. Larson, '25; H. W. Larson, '22; P. M. McKown, '22; K. P. Nowell, '25; N. V. Platner, '23; W. C. Ernsting, '17; F. E. Henderson, '24; H. W. Phelps, '35; C. E. Cole, '35; A. B. Colman, f. s.; R. W. Strohm, f. s.; J. R. Bily, f. s. '17; and C. L. Zimmerman, '21.

Mr. Zimmerman, who wrote the report of the meeting, said that they had no way of contact with former students at Hawthorne station, where the plant is located in Chicago. He would appreciate being told of any other former students there so that they may be invited to the meetings.

Washington Alumni See Game

Kansas State alumni got together at the Kansas State College-George Washington University basketball game, December 28. Homer J. Henney, '21, M. S. '28, sent the following report:

"We had around 40 people out for the game but didn't get the names of all of them. Arrangements had been made for all of us to be together in one section, but some of them left before the group met after the game for a little tete-a-tete.

The names of those whom we were able to get as attending the game were: R. A. Seaton, '04; Mr. and Mrs. Massengill; Libbie Smerchek, '32; Edward Smerchek, '40; Floyd Berger, '40; Tom Neill, '40; C. A. Logan, '25, and Mrs. Logan; Harold Allen, '27, and Mrs. Allen; Waldo Tate, '40, and Mrs. Tate; H. H. Brown, '28; Metta L. Baxter, '40; Katherine Wadley; Earl E. Miller, '39; M. L. Du Mars, '33; E. Jack Coulson, '27; G. S. Douglass, '16; Hubert L. Collins, '23, Lois (Richardson) Collins and two children; Lester J. Hoffman, '21, and Lucile (Spring) Hoffman; Mrs. John L. Wilson; Gaylord Green, '40; Gordon Green, '40; Edward Leland, '39; Swanna Lee Suits, '40; Pauline Hardy, f. s. '40; Keith Harrison, '40; Mr. and Mrs. Henney and their son, Edward.

MARRIAGES

KENSLER—SHULL

Geneva Kensler and Harold D. Shull, Ag. '39, both of Manhattan, were married December 8 at the Methodist Memorial temple in Manhattan. They are at home at Wash-

ington, where Mr. Shull is the county agent.

FRAUENFELDER—JOHNSON

The marriage of Lora Frauenfelder, Riley, and Vinton G. Johnson, G. S. '36, took place November 3 in Manhattan. The couple are at home at 1331 Poyntz. He is employed by Edd Marden Cleaners.

PALMER—SIMPSON

Doris Palmer of Norwich and Carl Simpson, Ag. '40, of Norwich were married Sunday, December 1, by the Rev. B. A. Rogers at the Methodist Student parsonage. The couple will reside in Milton.

MURPHY—DOWNER

Barbara Murphy, Topeka, became the bride of Merrill Downer, B. A. '40, November 16. Mrs. Downer was employed for the past year in the office of the Riley county engineer. Their address is 136 South Minneapolis avenue, Wichita. Mr. Downer has a position with the Beech Aircraft corporation in Wichita.

MOORE—LAW

In a ceremony performed November 27 at Madison, Wis., Roberta Moore, Manhattan, became the bride of Alvin G. Law, Ag. '38, M. S. '40. The bride has been employed in the Division of College Extension at Kansas State College for the past four years. Mr. Law is now research assistant in agronomy at the University of Wisconsin. Mr. and Mrs. Law will make their home at 112 North Orchard, Madison, Wis.

GLENN—DOUGHERTY

The marriage of Florence Ann Glenn, G. S. '30, and Maurice V. Dougherty took place November 30. Mr. Dougherty is employed by the Union Pacific railroad. Their home is at 820 Fremont, Manhattan. Mrs. Dougherty has taught in the high schools of Lillis and Ogden, Kan., and Sundance, Wyo. For the past two years she has had a position in the Department of Household Economics at Kansas State College.

TEICHGRAEBER—AICHER

The marriage of Maribelle Teichgraeber, f. s. '40, and George W. Aicher, Ag. '39, was December 8. The bride is affiliated with Pi Beta Phi sorority and the groom with Sigma Phi Epsilon and Phi Kappa Phi, honorary fraternity. He was a Student Council member while in school.

The couple resides in McCook, Neb., where Mr. Aicher is associated with the Great Western Sugar company as field man.

MARTIN—SNIDER

Prof. and Mrs. Max Martin announce the marriage of their daughter, Maxine Jeanne, I. J. '40, to Dr. Charles H. Snider, D. V. M. '40.

Since graduation Mrs. Snider, member of Alpha Xi Delta social sorority, has been employed in the advertising department of Fanchon and Marco, Fox Film corporation, in St. Louis, Mo., and plans to continue with this firm.

Doctor Snider is a member of Phi Kappa Tau, of which he was president during his junior year. Since graduation, he has been employed as field representative for the Corn Belt Serum company, East St. Louis, Ill.

Doctor and Mrs. Snider are at home at the Biltmore hotel, North Grand boulevard, St. Louis, Mo.

BIRTHS

Eleanor (Dempsey) Griffith, '25, and Tom J. Griffith, f. s., have a daughter, Martha, who was born December 29 in Manhattan. Mr. Griffith is associated with the E. E. Griffith Coal and Lumber company in Manhattan. They live at 622 Humboldt, Manhattan.

Charles E. Funk, '32, and Winifred (Wolf) Funk, '35, are parents of a daughter, Barbara Ellen, born December 28. Mrs. Funk is a daughter of Dr. and Mrs. O. O. Wolf of Ottawa. Mr. Funk is director of Wesley foundation, University of Oregon. Their home is at 1284 East Thirteenth avenue, Eugene, Ore.

To M. L. (Duke) Du Mars, I. J. '33, and Fern (Collins) Du Mars, f. s., a daughter, Beth, December 22. She is a sister to twin daughters, now 4 years of age. Mr. Du Mars is with the press department of the Agricultural Adjustment administration at Washington, D. C. The family lives at 7615 Eastern avenue, Takoma Park, Md.

RECENT HAPPENINGS ON THE HILL

The first copy for the 1941 Royal Purple, Wildcat prize-winning yearbook, was sent to the printers last week, Don Makins, Abilene, editor of the publication, announced.

Motion pictures of life in the United States Coast guard and at its academy at New London, Conn., were shown by officers of the guard Monday afternoon in Nichols Gymnasium.

Official confirmation was received last week of the appointment of Lieut.-Col. James K. Campbell to be head of the Department of Military Science and Tactics at the College.

A student radio forum, in which campus leaders discuss their opinions of current events, was started last Monday afternoon. It is planned to make it a regular feature of KSAC's radio program from 4:30 to 5 p. m. Monday.

As part of a campaign for additional membership, the Independent Student union is sponsoring a free dance in Recreation Center tonight. The I. S. U. also announced that it was working up a skit for the Y-Orpheum program this spring.

Prof. L. E. Melchers of the Department of Botany and Plant Pathology said this week that Milo J. Warner, national commander of the American Legion, was planning to visit the campus later this month. Professor Melchers and Mr. Warner, a Toledo, Ohio, lawyer, were schoolmates.

Guests at the Mortar Board tea in Van Zile hall Sunday afternoon were entertained by Mario Braggiotti of the piano team of Fray and Braggiotti. The pair appeared on the campus earlier in the school year on the Student Governing association's celebrity series and the pianist returned to visit a co-ed that he knew here.

Students enrolled in the Division of Engineering and Architecture, this week have an opportunity to order their green shirts for the traditional period before the annual Engineers' Open House. Orders are being taken today, Thursday and Friday at a desk in the Engineering building. The Open House will be held March 14 and 15.

A photograph of Kingsley Given, former Kansas State College faculty member and now director of public relations at Park college, Parkville, Mo., was printed in last Friday's Kansas State Collegian less than 12 hours after it was taken at the journalism conference of Farm and Home week. The photograph was sent to Kansas City by telephoto by Richard Gould, manager of the Kansas City bureau of Acme News photos, and then the cut was sent back to Manhattan the same night for use in the College newspaper.

DEATHS

DeARMOND

Robert W. DeArmond, f. s. '02, who had been working with the Sitka Cold Storage company at Sitka, Alaska, died June 23 at his home there. Surviving him is his wife, the former Elizabeth Davidson.

MOEHLMAN

John Henry Jr., 2-month-old son of John H. Moehlman, E. E. '36, and Mabel (McGehee) Moehlman of 1506 Poyntz, Manhattan, died December 30. Other survivors besides the parents are three sisters and one brother. Mr. Moehlman is owner of the Avenue grocery in Manhattan.

JUSTIN

Jessie (Harrington) Justin, f. s. '08, was killed in an automobile accident on New Year's day near Michigan City, Ind. She was enroute from La Fayette, Ind., to spend New Year's with her daughter in St. Joseph, Mich.

Mrs. Justin, wife of Miner Justin, Ag. '07, M. S. '17, was a sister-in-law of Dr. Margaret M. Justin, '09, head of the Kansas State College Division of Home Economics. Besides the husband, three children, Frank, Dorothea and Florence, survive.

Mr. Justin is senior agricultural statistician of the Bureau of Agricultural Economics with the experiment station, Purdue university, La Fayette, Ind.

CHRISTIAN WORLD FORUM WILL BEGIN ON FRIDAY

**DOUGLAS HORTON WILL BE INITIAL
SPEAKER AT ASSEMBLY**

**Others on Program for Meeting Will
Include Frances P. Greenough, Dr.
George Irving and the Rev. C.
W. Kegley of Chicago**

The three-day session of the annual Christian World forum sponsored by the YWCA and YMCA will begin with the College assembly Friday morning when Douglas Horton, initial forum speaker, will talk on "Ships."

Three speakers besides Mr. Horton, who is minister and general secretary of the Council of Congregational and Christian Churches of the United States, will take part in the 21st annual forum. Each will discuss problems of importance to the average American college student as he sees it.

MISS GREENOUGH TO TALK

Frances P. Greenough, student secretary of the board of education at the Northern Baptist convention, is the second World forum speaker to appear on the campus program. She will speak at a student forum Friday noon.

Dr. George Irving, director of the Department of Faith and Life of the Presbyterian Board of Christian Education, will talk Friday afternoon on "What the War Does to the Dictionary."

CLIMAX SUNDAY EVENING

The fourth speaker, the Rev. C. W. Kegley, pastor of Lutheran students in Chicago, will first appear on the campus Friday evening.

The program on Saturday and Sunday will consist of dinners, panel discussions and mass meetings. Doctor Horton's talk on "The Fascinations of Trifles" Sunday evening will climax the Christian sessions.

EXTENSION PROGRAM AFFECTS MORE THAN MILLION ACRES

**Drainage, Terracing, Contour-Farming
and Building Pools Are Included
in Work of Biennium**

The land reclamation and soil conservation program conducted by the Division of College Extension included the draining of 57,557 acres, terracing of 103,960 acres, contour-farming of 1,043,110 acres and building of 3,408 farm ponds during the biennium 1938-40, according to the biennial report of the College recently released by Pres. F. D. Farrell.

This means that one out of every 45 acres of land in the state was directly affected by the Extension service program.

A staff of 336 persons is employed in the Extension service to carry to every Kansas community up-to-date information for use in the solution of problems of the farm and the rural home. The staff is supplemented by 24,000 rural men and women who serve without pay as project leaders.

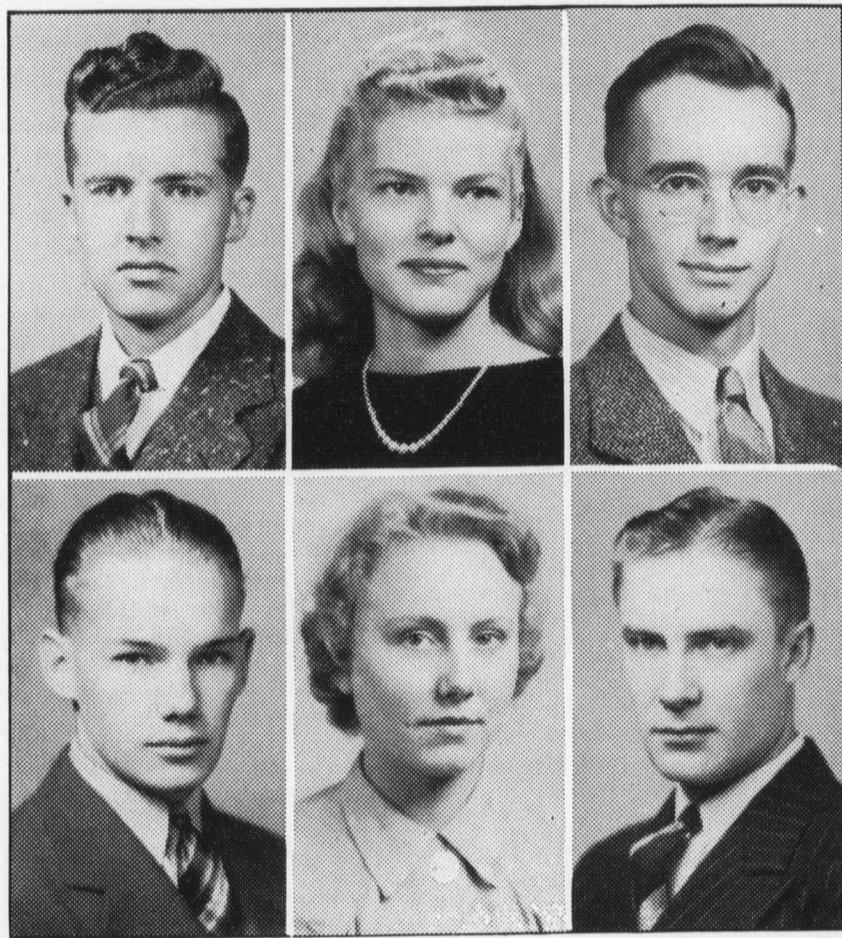
Other projects of the Extension program for the biennium included demonstrations of the value of summer fallow in western Kansas on 3,458 farms, grasshopper poisoning on more than 3,000,000 acres each year, construction of 543 new poultry houses and remodeling of 1,387 old ones, construction of poultry self-feeders, silos, milk houses and remodeling of farm dwellings and many other items, supervision for 1,074 4-H clubs in 105 counties with a total membership in 1939 to 22,962, instruction in foods and nutrition at 5,300 community meetings and lessons for correspondence study students.

These are only a few of the services offered by the Extension service, President Farrell said. The work of the division also included bulletins, circulars and press notices containing practical information regarding specific subjects.

Track Meet at Lawrence

Kansas State's indoor track team will travel to Lawrence today for its first dual meet against a Big Six conference foe, the University of Kansas. The Wildcats, who dropped a 68 to 36 decision to Drake at Des Moines Saturday, were hard hit by graduation losses a year ago and have only spotted strength. Kansas State athletes who placed first against Drake were Capt. Louis Akers, who ran the 50-yard dash in 5.5 seconds; Ed Darden who won the 50-yard high hurdles in 6.5 seconds and Ken Makalous, shotput winner.

Selected Outstanding Students



These six Kansas State College students were chosen from the entire student body as the most outstanding at the annual Achievement banquet which terminated Farm and Home week on the campus here last week. Pictured above from left to right, top row, are George Cochran, Topeka, Division of Agriculture; Dorothy Green, Wichita, Division of Home Economics, and Raymond Adams, Manhattan, Division of General Science. In the lower row from left to right are Howard Zeidler, Girard, Division of Engineering and Architecture; Arlene Waterson, Dighton, Division of Graduate Study, and Bernard Busby, Wakefield, Division of Veterinary Medicine.

REGISTRATION FIGURE

(Continued from page one)

rard, Division of Engineering and Architecture; Bernard Busby, Wakefield, Division of Veterinary Medicine; George Cochran, Topeka, Division of Agriculture, and Arlene Waterson, Dighton, Division of Graduate Study.

Two Kansas newspapers, the Phillips County Review and the Coffeyville Journal, and six country correspondents were honored at the annual Achievement banquet.

McDill Boyd of Phillipsburg, representing the Phillips County Review, and John Tasker, representing the Coffeyville Journal, were introduced to the 500 persons attending the banquet by R. I. Thackrey, head of the Department of Industrial Journalism and Printing.

Each of the two newspapers was awarded a Kansas City Board of Trade scholarship of \$100 for outstanding service to the rural community it serves. The scholarships were then given to students enrolled at Kansas State College to study journalism and agriculture. The Coffeyville scholarship was awarded to John Tasker and the Phillipsburg scholarship went to Virgil Whitsitt of Phillipsburg at the beginning of the present school year.

Six community correspondents were honored as representatives of a large group of Kansas rural people who contribute substantially to the success and influence of the Kansas press.

The country correspondents honored were Leona Faidley Gimple of the Burr Oak Monitor; Mrs. R. W. Goodman of the Pratt Tribune and the St. John News; Elsie K. Schurr of Wamego, correspondent for the Manhattan Mercury-Chronicle; Mrs.

George W. Bindley of Burdett, correspondent for the Larned Tiller and Toiler; Mrs. Claude Kelley (Sunflower Sue) of Norcatur, correspondent for the Oberlin Herald, and Hester Potter, writer for the Robinson Index and the Kansas City Star.

Officers elected by Kansas breed associations in connection with the annual Farm and Home week included:

Kansas Angus Breeders' association—Phil Ljungdahl, Cottonwood Falls, president; Ralph Munson, Junction City, secretary-treasurer.

Kansas Milking Shorthorn society—James G. Thompson, Wakarusa, president; Wallace McIlrath, Kingman, vice-president; A. D. Weber, Manhattan, secretary-treasurer; Arthur Bloomer, Lancaster; Robert Teagarden, La Cygne; Walter Hunt, Arkansas City; Arthur Wait, Cassoday; Alfred Tasker, Delphos, and Wallace McIlrath, Kingman, board of directors.

Kansas Ayrshire club—Marion Velthoen, Manhattan, president; Harry Bauer, Broughton, vice-president; Floyd Jackson, Hutchinson, secretary-treasurer.

Kansas Brown Swiss Breeders' association—Marion Beal, Danville, president; Paul Orton, Sedan, vice-president; W. E. Gregory, Anthony, secretary-treasurer.

Kansas Guernsey Breeders' association, W. G. Ransom Jr., Home-wood, president; George Scheutz, Hiawatha, vice-president; Ballard Bennett, Manhattan, secretary-treasurer.

The Kansas Horse Breeders' association elected Dr. T. G. Hagenbuch, Lawrence, president; H. C. Eshelman, Sedgwick, vice-president; R. B. Cathcart, Manhattan, secretary-treasurer.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Any advance in the general price level technically is inflation."

Inflation is a relative thing. Rising prices are evidence of inflation. Any advance in the general price level technically is inflation. When prices rise, money is falling in purchasing power. Its ability to command other things becomes less. Some inflation has occurred. The question is: How much more?

In modern economy most inflation is the result of credit expansion. Credit may be expanded because private business is becoming more active or because the government is increasing its activities, or both. Both are occurring at present. The banks have huge excess reserves of idle funds available to lend.

The stage is all set for inflation and the checks upon it are those pos-

sessed by various branches of the federal government. These powers are divided at present between the President and the Board of Governors of the Federal Reserve system. The Board of Governors, in its recent special report to Congress, asked for increased powers to control inflationary tendencies. If their request is granted, they will be given some new powers not previously possessed by any governmental agency and some of the present powers of the President will be taken away. The ability of the Board of Governors of the Federal Reserve system to do the things which it has proposed will determine in large measure the extent of any inflation within the immediate future.

Swimmers in Dual Meets

Kansas State's undefeated swimming team will battle the University of Oklahoma and Iowa State college, defending Big Six conference champion, in dual meets Thursday and Friday nights. A 1941 title threat, Kansas State is led by Marshall Stover who still has an undefeated collegiate record in both the 220- and 440-yard dashes. He holds nine wins in the 440-yard dash and 11 in the 220 since he began competition last year. Undefeated this season is Leo Yeo, 100-yard free style artist.

TWO TOP WRESTLING TEAMS TO COME HERE THIS WEEK

**Oklahoma A. and M. and Michigan State
Will Perform Against Wildcats
in Nichols Gym**

Two of the nation's top collegiate wrestling teams, Oklahoma A. and M. college and Michigan State college, will perform here this week in dual meets against Kansas State College, defending Big Six conference champion.

The Oklahoma Aggies, national collegiate champions, appear here tonight, and Michigan State invades Nichols Gymnasium Saturday.

Seventeen national team championships and 19 undefeated seasons in 23 years are evidence of the high type of mat clubs turned out at A. and M. The Aggies opened their season Saturday with an 18 to 6 win over Minnesota, a team that whipped Kansas State 19 to 8. Undefeated Michigan State holds victories over Wheaton college, Ohio State, Michigan, Case and Wisconsin.

Leland Porter of Kansas State will be seeking his 11th victory in as many starts here Wednesday night. He will compete in either the 155- or 165-pound class.

Kansas State's probable lineup includes Clifford Case, 121 pounds; Bob Dunlap, 128; Jim Vavroch, 136; Jerry Porter, 145; Capt. Glenn Duncan, 155; Leland Porter, 165; Warren Boring, 175, and John Hancock, heavyweight.

GRAFF BALLETT WILL DANCE IN AUDITORIUM ON FRIDAY

**Company Is Third Presentation on
Series Sponsored by Student
Governing Association**

The Graff ballet, featuring Grace and Kurt Graff with their company of nine men and women dancers, will appear Friday in the College Auditorium as the third presentation of the Student Governing association's "celebrity series."

The Graffs will present the best of the American and European trends in the modern dance, for College students and Manhattan townspeople Friday afternoon and evening. The group has danced in Europe for the rulers of Sweden, Italy and Siam, appeared before the Duke of Windsor and has toured the United States extensively.

Through the efforts of Grace and Kurt Graff, the choreography and composition of their dance is purely American. By blending the beautiful and real qualities of the traditional ballet with the power, zest and reality of the modern dance, they have achieved a quality that appeals to the average observer.

SIX CHEMICAL ENGINEERS ALREADY HAVE POSITIONS

**Prof. W. L. Faith Says Men Accepted
Jobs After Graduation**

Six seniors in the Department of Chemical Engineering at the College already have accepted positions after graduation, according to Prof. W. L. Faith, head of the department.

The men and their positions include John J. Dooley, Parsons, with the Hercules Powder company, Wilmington, Del., beginning June 1; Harold R. Harris, Geuda Springs, with the Phillips Petroleum corporation, Bartlesville, Okla., beginning June 1; John Romig, Bethany, with the Missouri Portland Cement company, St. Louis, Mo., beginning August 1; P. J. Ruckel, Arkansas City, with the Kanotex Refining company, Arkansas City; Morton Smutz, Manhattan, with the Monsanto Chemical company, St. Louis, Mo., who already has reported for work.

W. T. Keogh, New York City, also has been employed by the Monsanto Chemical company, St. Louis, Mo., but will begin work after his year's active duty with the United States army at Ft. Hancock, N. J.

CAGERS DROP TO FIFTH WITH IOWA STATE LOSS

**HALF-TIME LEAD IS OVERCOME BY
FIGHTING CYCLONES**

Final Score Is 50 to 41, with Jack Horacek Making 11 Points for Home Team; Kansas State Will Play Missouri Monday

The Kansas State College Wildcats dropped into fifth place in the Big Six conference basketball standings Monday night, when the Iowa State Cyclones staged a last-half rally to win, 50 to 41.

Leading 32 to 25 at half time, the Wildcats eased off early in the second period and Iowa State took advantage of the opportunity to run the score up to 49 to 38. Then the Kansas State team stiffened its resistance and held the opponents to one point for the rest of the game.

CYCLONES START EARLY

The Cyclones started the scoring contest early in the game when Albert Budolfson, forward and high-point man for the game, took the tip-off and immediately scored. Gordon Nichols netted two more points on free throws before Chris Langvardt, Alta Vista, and Larry Beaumont, El Dorado, found the hoop to tie the score at four points for each team. With 10 minutes to play in the first half, the score was tied up with 15 points for each team.

Jack Horacek, Topeka, did most of the scoring for the home team, making a total of 11 points during the game. Dan Howe, Stockdale, was second with nine points. Budolfson of Iowa State made 13 points for the visitors.

On Thursday evening, the Wildcats won over the last-place Missouri Tigers, 34 to 24, in a sluggish contest. During the first period, the Tigers overcame a four-point Kansas State lead to tie the score at 13 points for each team. This tie was broken by Langvardt's goal late in the half.

BIG SECOND-HALF LEAD

In the second half, the Wildcats stretched the score to 32 to 21 in their favor, with five minutes left to play. At this point Coach Jack Gardner began to substitute, and soon he had the entire second string in the game. The final score was 34 to 24.

Next Monday night, the Kansas State squad will go to Columbia, Mo., for a return tilt with the Tigers. The Missourians, without a victory in the conference this season, will have the advantage of being on their home court, and will seek revenge for their loss last week in Manhattan.

FARM, HOME WEEK RESOLUTION

(Continued from page one)

ready have gone on record in favor of better housing at Kansas State include the Kansas Farm bureau women, the American Association of University Women, the Kansas Council of Women and the Kansas Federation of Women's Clubs.

"Kansas State is far behind most other institutions of its type in providing residence halls. Iowa State college has all its undergraduate women in residence halls. Oklahoma A. and M. provides residence halls for half its women students. Kansas State has a residence hall which accommodates only 10 percent of the number of women students," Miss Moore declared.

The legislation being recommended to the State Legislature by the 100,000 Kansas women is Senate Bill No. 25 which would make possible the construction of residence halls in any of the state institutions.

Mrs. Paul Edgar of Topeka, president of the Kansas Home Demonstration Advisory committee, pointed out that rentals from the proposed dormitories, plus the revenue from the existing Van Zile hall, would pay off indebtedness for the new structures. Van Zile hall, constructed about 15 years ago, is unencumbered. Nine other states are using a similar plan.

Mrs. Edgar, who attended Farm and Home week last week, said that staying in Manhattan a few days had given many women of the state an opportunity to fully realize the need for more suitable living quarters for students.

In a letter addressed to a member of the Kansas Senate, Mrs. Edgar wrote: "The women attending this week are a representation of our 23,000 women all over the state. We endorsed this bill as a body and solicit your support."

THE KANSAS INDUSTRIALIST

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Number 19

CHRISTIAN WORLD FORUM ATTRACTS RECORD CROWD

DR. A. A. HOLTZ SAYS SPEAKERS
ARE WELL RECEIVED

Annual Sessions Sponsored by Ministerial Union of Manhattan and College Christian Associations for Students

The three-day session of the Christian World forum ended Sunday evening with a larger attendance than in past years, according to Dr. A. A. Holtz, YMCA secretary. Judging from comments he heard, the speakers were better received than in past years too, Doctor Holtz added.

The forum, sponsored each year by the Ministerial union of Manhattan and the Christian associations of the College, began its series of discussions on the various phases of youth work and Christianity by four widely known speakers Friday morning at a student assembly.

CITES ANNAPOLIS EXAMS

Dr. Douglas Horton, general secretary of the Congregational Christian Church Council of America, talked on "Ships" in a College assembly. Using an examination answer of an Annapolis naval academy student, Doctor Horton named the three ships, Leadership, Marksmanship and Seamanship.

"According to our Annapolis friend leadership depends on marksmanship, which in turn depends on good observation. We must know where we are going and move on with wide vision," the initial forum speaker told his audience.

Appearing in other open forums and mass meetings were Miss Frances Greenough, student secretary of the Board of Education of the Northern Baptist convention; C. W. Kegley, adviser of the Metropolitan Lutheran Student council of Chicago, and Dr. George Irving, member of the Presbyterian Board of Christian Education.

DISCUSSES WORLD CRISIS

In the Friday evening meeting Mr. Kegley spoke on "The World Challenge." Christianity itself has not really failed, he said, although many Christian individuals have failed.

Commenting on the present world crisis, Mr. Kegley said, "If we are going to face the present crisis, we need some clear thinking and good moral resolve. Our faith must become so great that it will give us new faith. We must accomplish this to actually consider the present crisis and actually attack the present situation ourselves."

Saturday's program included interviews, dinners, mass meetings and an evening panel discussion. The four speakers informally discussed and tried to answer questions asked by Kansas State College students.

TALK IN CHURCHES

The Sunday morning worship period was given over to Mr. Kegley in the Lutheran church. At that time he talked on "Christians in a Discouraged World." Doctor Irving talked at the Presbyterian church on "What God Says to Our Day." "God, a Reality," was discussed by Miss Greenough at the Baptist church. Doctor Horton talked on "The Christian Challenge" in the Congregational church.

The evening mass meetings climaxed the World forum program. Doctor Holtz stated that there was a larger attendance at the two last meetings than in former years. Mr. Kegley spoke in one of the meetings in the Methodist church on "Can We Be Patriotic and Christian?" Doctor Horton analyzed the world situation in the other meeting at the Baptist church. The title of his speech was "The Fascination of Trifles."

Interviews Seniors

Dr. H. W. Rinehart of the personnel department of E. I. du Pont de Nemours and company, Inc., Wilmington, Del., visited the Department of Chemical Engineering at the College recently to interview seniors.

Second Royal Purple Copy

The second shipment of 30 pages of copy written for the 1941 Royal Purple was taken to Topeka Monday by Don Makins, Abilene, editor of the yearbook, and C. J. Medlin, graduate manager of student publications and instructor in journalism.

BRIG-GEN. GLEN EDGERTON, '04, VISITS HIS PARENTS

Governor of Panama Canal Zone Comes to Manhattan Before Going to Washington

Brig.-Gen. Glen E. Edgerton, who was graduated in mechanical engineering in 1904 from Kansas State College and has risen in the army until he is now governor of the Panama Canal Zone, said last week-end on a visit here that everything is being done to keep the canal well protected.

General Edgerton visited his parents in Manhattan before going to Washington to testify before Senate and House appropriation committees this week regarding the Panama Canal and its defense budget. His parents are Mr. and Mrs. J. E. Edgerton.

He said that considerable construction work was going on at the Canal Zone and that the United States was improving its garrison and defenses.

The general said that his wife is visiting in Guatemala while he is on his trip to the United States.

General Edgerton was appointed by Pres. Franklin D. Roosevelt last year to be governor of the Panama Canal Zone after serving as engineer of maintenance of the Canal Zone for four years. His appointment was for a four-year term.

The Edgertons have two children, Bruce, a student at West Point, and Diana, a student at Vassar college.

ARMY'S RESERVE OFFICERS BEING USED IN EMERGENCY

Lieut.-Col. R. P. Gerfen of Ft. Riley Tells of Their Roles in Present Crisis

The United States army is depending upon reserve officers in this emergency as it never has in the past, Lieut.-Col. R. P. Gerfen, instructor in the department of weapons at the cavalry school of Ft. Riley, told approximately 75 reserve officers and guests Monday night at a National Defense day dinner.

Lieutenant-Colonel Gerfen pointed out that reserve officers were being called into the highest ranks in the army during the current emergency, even being attached to the general staff.

Senior cadets in the College Reserve Officers' Training corps were among the guests at the dinner in Thompson hall.

Others at the dinner included Mayor J. David Arnold, Gen. R. C. Rodgers, commanding general at Ft. Riley; Col. D. R. Rodney, assistant commandant of the cavalry school; Maj. Howard Faulkner, executive officer of the Kansas City, Kan., reserve area; Capt. W. C. Meske, unit instructor of the coast artillery regiments at Topeka, and officers stationed at the College.

Capt. T. R. Varney, president of the Manhattan Reserve Officers' association, was the presiding officer.

GRAFF BALLET COMPANY HERE FOR CELEBRITY SERIES SHOW

Dancers Visit Campus Friday to Perform in Afternoon and Evening

Grace and Kurt Graff brought their company of nine men and women dancers and two pianists to the Kansas State College campus last Friday for two performances.

The ballet was the third presentation of the Student Governing association "celebrity series."

Kurt and Grace Graff appeared in several numbers as a team and played the leading roles in several of the others. Among the dances were the fantasy, "Ode to the Living," and an early 20th century tin-pan alley scene called "Vintage—1912."

ENGINEERING OPEN HOUSE WILL FEATURE DEFENSE

DISPLAYS TO SHOW DIVISION'S
PREPAREDNESS ACTIVITIES

Exhibits Planned to Include Anti-aircraft Guns, Underground Shelters and Bomb-proof Building Equipment

National defense will be the central theme of the annual Engineers' Open House March 14 and 15.

Each of the departments in the Division of Engineering and Architecture will show how its work ties in with the National defense program, and special displays will disclose the training being given by the College under the \$9,000,000 engineering defense training program which is directed by Dean R. A. Seaton, who is on leave in Washington.

BERT SELLS IS CHAIRMAN

Bert Sells, Wichita, Open House chairman, said that the theme was selected because the engineers believed visitors would be interested to learn what Kansas State College was doing to aid the nation's preparedness program.

The Department of Military Science and Tactics is preparing a demonstration of a four-wheel-drive squad car and anti-aircraft guns. The midget automobile, approximately the size of an Austin, is the latest development in military equipment, according to Robert Washburn, Manhattan, Open House publicity chairman.

The Department of Chemical Engineering will show how its work fits into the general preparedness program. The architects will display models of bomb-proof buildings, army construction and underground shelters.

WILL SHOW GENERATORS

A miniature battleship and searchlights will be included in the exhibit of the Department of Electrical Engineering. Two generators of the type used to operate large guns and searchlights will be shown to the visitors to Open House.

Pictures showing how a draftee lives and specimen equipment from Ft. Riley will be shown. Other displays will include the type of work being done in the short-term courses being given in engineering at the College.

Moved to Hawaii

Vernon Holman, electrical engineering senior who was called to active duty with other members of the naval reserve at Kansas State College, wrote from his training station in San Diego that he was to leave for Honolulu last week. There he will be assigned to duty as a radio operator on a destroyer. Louis Raburn, Manhattan senior in electrical engineering, also was called to active duty during the Christmas holidays.

Play Goes into Rehearsal

Rehearsals for the next Manhattan Theatre play, "Death Takes a Holiday," began last night under the direction of Sherwood Keith of the Department of Public Speaking. The play will be given March 21 and 22.

FIVE SIGMA NU FRATERNITY PLEDGES SHOW THAT COLLEGE SORORITY CAN BE PICKETED

Can a fraternity picket a sorority?

It can and did when five Sigma Nu pledges here protested last Friday night against Pi Beta Phi activities forcing their pledges to break dates with them the next evening.

The Sigma Nu pledges demonstrated, complete with signs, banners and flashlights, in front of the sorority house from 8 p. m. until 9:30 p. m. But it was to no avail. Sorority pledges had violated a rule of Pi Phi's traditional "fun week," and thus received "campuses" which forced them to break dates for the Sigma Nu paddle party on Saturday night.

"They knew what would happen to

Tiny Y Appears

The Tiny Y, publication of the College YMCA and YWCA, appeared on the College campus last week. Included in the publication are announcements of lectures in student forums, meetings of the commission groups of the YWCA, a description of the Student Christian federation, a world-wide organization.

HOSPITALITY DAYS CHAIRMEN SELECTED FOR ANNUAL EVENT

Dorothy Beezley Is General Chairman for Traditional Affair Here April 18 and 19

Dorothy Beezley, Girard, general chairman of Hospitality days, the open house of the Division of Home Economics which will be held April 18 and 19, today announced other members of the steering committee for the traditional event.

The Hospitality days this spring will be the 11th annual time that the affair has been held.

Members of the steering committee and their committee positions include:

Marcile Norby, Cullison, sub-chairman; Martha Payne, Manhattan, budget chairman; Jeanne Stephenson, Larned, contest chairman; Jane Dunham, Topeka, decorations chairman; Helen Woodard, Topeka, general program chairman; Martha Wreath, Manhattan, publicity chairman; Dorothy O'Loughlin, Lakin, radio chairman; Virginia Siebert, Pretty Prairie, registration chairman; Constance Thurston, Elmdale, tea chairman; Jane Haymaker, Manhattan, hop chairman; Mary Evelyn Nielson, Atchison, tours and guides chairman, and Martha Pattison, Manhattan, hostess chairman.

Advisers for Hospitality days are Miss Margaret Raffington, assistant to the dean of the Division of Home Economics; Miss Esther Cormany, assistant professor of clothing; Miss Dorothy Barfoot, head of the Department of Art, and Jessie Collins, Dwight, senior in home economics.

COLLEGE WILL ORIGINATE NATIONAL RADIO PROGRAM

Station KSAC Is to Be the Source of National Farm and Home Hour

For the second time in four years, Kansas State College will be the source of a national Farm and Home hour broadcast over the approximately 55 radio stations on the National Broadcasting company network March 19.

The program, which will originate in the studios of KSAC, College station, will be written and directed by H. Miles Heberer, associate professor in the Department of Public Speaking.

The name of the 1941 show will be "Green Gold." The show will be built around the soil, livestock and human resources of Kansas. The broadcast will be from 11:30 a. m. to 12:15 p. m.

Four years ago Kansas State College originated "The Fifth Slice," a story of Kansas wheat which was an outstanding success as a national Farm and Home hour broadcast.

FARM CROP VARIETIES APPROVED FOR RELEASE

CORN, FLAX AND SORGHUM ARE
RECOMMENDED AT SESSIONS

Biennial Branch Station Conference Here Last Week-End Makes Suggestion on Distribution for Commercial Use

Kansas farmers soon will have available new and improved varieties of three farm crops, after their approval by the staff members of the Kansas Agricultural Experiment station and the four branch stations at the 12th Biennial Branch Station conference here last Friday and Saturday. Several new varieties of farm crops were approved for distribution for commercial production.

The new varieties of crops, including corn, flax and sorghum, were recommended after they had been tested in different locations in Kansas and under different soil and climatic conditions for several years. Members of the experiment station staff feel that these new varieties are superior in many respects to varieties now being grown commercially.

STRESS ON WHEAT, SORGHUMS

Sorghum, a crop which last year replaced corn as the principal feed crop grown in the state, is receiving considerable attention from the station agronomists and plant breeders, and a new hybrid variety, as yet unnamed, was released for commercial production. The hybrid, a cross between Atlas sorgo and Early Sumac, possesses many of the desirable characteristics of both its parent varieties. It was originally bred by Dr. John H. Parker, now director of the Kansas Wheat Improvement association.

The new hybrid matures in about 105 days and reaches a height of from 5 1-2 to 7 feet. The head resembles the Atlas head in shape but it is somewhat smaller. The seed is white and smaller than Atlas. In grain yield, the hybrid has averaged about one-third higher yield than Early Sumac, but does not exceed in yield other sorghums grown in northwestern Kansas. Both parent varieties of the hybrid are forage type sorghums.

Also approved for distribution was a strain of Wheatland milo that is resistant to pythium root rot, a soil-borne disease that attacks the roots of many sorghum varieties. The new strain is a combine type of grain sorghum well adapted to the Arkansas river valley and under irrigation has yielded about 80 bushels an acre. The strain does not sucker, and shows some advantages for use in dry-land farming. It may be planted as late as June 25 and, with normal weather conditions, mature.

APPROVE TWO CORN HYBRIDS

Bison flax was accepted as a variety resistant to flax wilt. This variety produces a higher oil yield, but the oil is of a lower quality. The yield of Bison is approximately the same per acre as for Linota flax.

U. S. 35 and U. S. 13, two of the better adapted corn hybrids, were approved for certification by the Kansas Crop Improvement association last month, according to R. W. Jugenheimer, corn-breeding specialist with the United States Department of Agriculture. A third hybrid, Missouri 47, now is being considered for certification. All three hybrids have ranked high in the corn performance tests in the past three years.

Classification of Kawvale wheat, a semihard variety, as a soft wheat under the federal grain-grading classifications, is causing considerable confusion in the milling industry, Doctor Bayfield reported.

FURTHER TESTS FOR NEBRED

"Kawvale does not have the milling and baking characteristics of a soft wheat," he explained, "and it should not be so classified." There is not a "semihard" classification in the federal grain standards and, as a result, Kawvale is not regarded very highly by either soft- or hard-wheat millers. The variety is in good

(Continued on last page)

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WEDNESDAY, FEBRUARY 19, 1941

COLLEGE FOUNDERS

Seventy-eight years after the official founding of Kansas State College, it is difficult to designate a specific group of persons as the founders. February 16, 1863, is the date of the enactment of the state statute establishing the College and fixing its location at Manhattan. But there were many antecedent events that contributed to the founding and many persons were among the founders.

Included are the members of the Federal Congress who voted for the Morrill act; Pres. Abraham Lincoln who approved that act on July 2, 1862; the founders of Bluemont Central College, who are discussed in Doctor Willard's history of the College; the state legislators who voted for the Act of February 16, 1863, and the governor who approved it.

Even before the enactment of the two statutes referred to, contributions were made, consciously or unconsciously, by several persons. One of these is S. D. Houston, a delegate from Riley county to the Kansas Constitutional convention in 1859. On July 14 of that year the convention considered Article 6, relating to education. Section 7 of Article 6 began, "Provision shall be made by law for the establishment . . . of a state university for the promotion of literature, and the arts and sciences, including a normal and an agricultural department. . . ." J. P. Greer, delegate from Shawnee county and an Ohio-born lawyer, moved that section 7 be stricken out. Mr. Greer believed that "institutions of learning ought to be left to individual or private enterprise" and that "as a general thing state universities result in no particular good." His motion was rejected.

J. W. Forman, delegate from Doniphan county and a Kentucky-born merchant, then moved that the word "shall" be stricken out and the word "may" be inserted, so that the Legislature would be authorized to determine whether or not there should be a state university. In the discussion of this motion, Mr. Houston, a farmer from Manhattan, expressed some distrust of state universities "as they have generally been conducted," but he urged the establishment of a college of agriculture so that the state's vast domain of land might be more effectively utilized. Mr. Forman's motion was lost by a vote of 16 to 17. Thus, by a margin of one vote the constitution required the Legislature to establish a state university "with a normal and an agricultural department." Subsequently, the Legislature established the University at Lawrence, the College of Agriculture at Manhattan and the normal school at Emporia.

Mr. Houston foresaw, with astonishing clarity, all things considered, the future significance of the College in the use of the natural resources of the state. Probably without knowing it, he supported the small but far-sighted group of farmers and others throughout the United States whose efforts culminated four years later in the passage and approval of the Morrill act of July 2, 1862, the now famous Land-Grant College act. This act is the charter of Kansas State College and of all the other land-grant colleges.

The motives of the men who con-

tributed to the founding of the land-grant colleges were mixed. Mr. Houston and doubtless others wanted more efficient land utilization. Justin Morrill and his associates, in and out of Congress, wanted "liberal and practical education for the industrial classes." Others doubtless had other motives. They all had one thing in common: a desire to break away from the only type of higher education then available and to establish colleges that would be more definitely concerned with the lives and fortunes of the common people. In this they were eminently successful. Individually and collectively they knew a great deal, but they builded even better than they knew.

MUSIC

Richard Jesson's Recital

On Sunday afternoon, Richard Jesson gave in the Auditorium what ought to be the first of a series of organ recitals. The program was complete and satisfying in itself; but in addition it hinted how many more programs of equal beauty might be arranged. It also suggested, unfortunately, how seldom such programs are arranged.

For all that it is one of the oldest of our instruments, the organ is very little understood, because it is very seldom played as an organ. That is, it is seldom used as the instrument on which a recital of organ music is played. This sounds fanciful; yet any one who will check the number of transcriptions of orchestral compositions that appear on organists' programs, and the number of baritone solos, and so on, will realize that the organ is very often used merely as a sort of one-man band. Because the organ permits a variety of effects beyond other instruments, it is often used simply to show those effects.

That would be all very well if there were no great amount of music written for the organ; but there is a vast literature of organ music, from the pens of innumerable composers throughout many centuries. Mr. Jesson gave a hint of what was written during the 18th and the 20th centuries, largely by composers of comparatively little fame. And in such works, better than in any transcriptions, one can hear what the organ is and can do.

Again, people are apt to misunderstand the organ as a musical instrument because they usually hear it in church, accompanying religious services. It is the great ecclesiastical instrument; but it is also a secular instrument, for which some of the most delightful music of no religious import has been written. We may hope that Mr. Jesson, who included a number of religious compositions in Sunday's program, will soon give a recital of only profane music, written in part by composers who are usually associated with church music: Bach, for instance. How much such compositions are appreciated, the applause will testify that greeted d'Andrieu's "The Fifers."

The first part of Mr. Jesson's program was from the 18th century. The well-known names of J. S. Bach and Buxtehude were present, as well as the less-known of Hanff, d'Andrieu and Walther. The Variations of Walther, as Mr. Jesson played them, showed the great possibilities of the organ as a means of musical expression, as did the startlingly "modern" Variations by Peeters in the second, 20th century, half of the program.

There again Mr. Jesson put his listeners in his debt, in showing how beautifully very modern music may be written for the organ—and how beautifully it may be played. For Mr. Jesson did as full justice to his contemporaries as to the old masters; and that was really full justice. The Whitlock "Folk Tune" was hardly more than pretty; and the "Prelude-Pastorale" by Edmundson simply went to show, as does the famous arrangement for choir by Melius Christiansen, that the old Crusaders' Hymn can't be improved on. But the Williams "Prelude," the Peeters Variations and the equally "modern" "La Nativité," by Langlais, are as stirring as anything of our time. The concluding "Cortège et Litanie," by Dupre, full and sonorous though it was, sounded a bit as though an organist had composed it to show the effects he could manage on his instrument.

To old and modern compositions alike Mr. Jesson brought a technical skill and a musical sensibility that his audiences have learned to expect. A purist might have found too much volume in some of the early compo-

SCIENCE TODAY

By HERMAN FARLEY
Associate Professor, Department of
Pathology

During the past few years considerable interest has been shown in a diseased condition which affects the eyes of cattle. This disease is recognized as pinkeye or keratitis and it is a localized infection which has a predilection for eye tissue.

Pinkeye or keratitis is not a new disease of cattle. In fact, one investigator spoke of the economic importance of this disease more than 50 years ago and tried in vain to determine its cause.

Beef products continue to be one of our basic food supplies and anything in the way of disease may prove an economic factor. This is the case in regard to keratitis, though only a small percentage of cattle are known to die from the disease.

It is not known how keratitis was introduced into this country, but it has been recognized in practically every part of the United States. The disease is prevalent among cattle of feeder and dairy class in the Middle West.

The fact that this disease has been recognized as one of the more important cattle diseases from an economic standpoint has led the Department of Veterinary Pathology to investigate this important infectious disease. Since practically no research had been done, it has been necessary to start at the beginning and work out the simplest details as regards this disease. Age, breed, methods of exposure by means of flies, wind, dust, sunshine, direct contact and incubation period of infection are being studied.

It has been noted recently that sheep in Kansas are affected with a similar disease. This makes it necessary to study the disease in both breeds of animals. Bacteriological studies are being pursued in addition to virus studies of the disease as it appears in both cattle and sheep.

Keratitis has been known to appear from year to year in the same herd of cattle and the causative factor has been undetermined. Vitamin A deficiency has been blamed for the disease in cattle and sheep that have been fed with well-balanced rations. This factor was eliminated partially when the infection was transmitted from animal to animal by means of inoculation. Some months ago it was thought that keratitis of sheep was certainly a deficiency disease; recently it has been proven that at least one type of the disease is transmissible and that the infection develops among apparently normal lambs after artificial exposure with virulent eye secretions.

sitions; but since there were no purists in the audience, there was no caviling. After all, there is no sense in never using the possibilities of the modern organ just because Bach's organ did not have them: that would be like never playing Mozart on the piano. And Mr. Jesson never relied on the organ to make up for deficiencies in the performer. The performer showed no deficiencies.

The only trouble with Mr. Jesson is that he lives in Manhattan. If he came, say, from Antwerp, large crowds would be happy to pay to hear him. And they would be happy that they had done so.—S. A. N.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Ethel D. (Strother) Mitchell, '16, was instructor in English and journalism in the Palo Alto union high school, Palo Alto, Calif.

Prof. R. G. Kloeffler, head of the Department of Electrical Engineering, went to Kansas City, where he attended a meeting of the technical sessions committee of the seventh geographical district of the American Institute of Electrical Engineers.

TWENTY YEARS AGO

Jesse M. Jones, '03, was general development agent for the Seaboard Air Line Railway company, with headquarters at Norfolk, Va.

Frank E. Uhl, '96, and Margaret (Correll) Uhl, '97, were living at State College, N. M., where Mr. Uhl was head of the Poultry department of the New Mexico Agricultural college.

A number of factors such as incubation period of infection, natural resistance, active and passive immunity are being studied. The use of vaccines is coming in for its part in the investigation. A parallel study of the diseases of sheep and cattle is in progress at the veterinary research laboratory at the present time.

Anaplasmosis is another disease of cattle which comes in for a good part of the research activities conducted at the veterinary research laboratories. This is a specific disease of cattle. It is not a new disease, since it probably has been a serious malady among more mature cattle for 50 years or longer, but had not been recognized as a separate or specific disease until 1925.

Anaplasmosis, like malaria in man, is caused by a protozoan parasite which attacks and destroys red blood cells, thereby producing a severe anemia. This disease has been studied continuously by this department in cooperation with the Bureau of Animal Industry since 1928. Transmission, course of infection, specificity, diagnosis and treatment are a few of the phases of study of this severe disease that has been recognized among cattle in Kansas since 1925.

The ease of transmission by insects and mechanical instruments including dehorning shears, castrating instruments, hypodermic needles and bull tongs tends to make this disease one of the most insidious of the group. A means of diagnosing infection in recovered cases has not been discovered and a reliable treatment for active cases is unknown.

Anaplasmosis is being studied in at least four additional locations in the United States. These studies probably will be continued until a satisfactory means of diagnosis, treatment and other methods of control have been successfully established. A young calf affected with a mild type of infection might pass unnoticed in the herd, but at a later date this latent infection might spread rapidly through a herd of cattle when ideal conditions for transmission are made possible. There is reason to believe that anaplasmosis will continue to be an important disease among cattle in this country for years to come.

It is impressive to note that the disease among cattle in Kansas continues to be confined principally to the southeast portion of the state. This cannot be expected to continue because of the ease in assimilation and because transportation facilities are continually active in transportation of cattle infected with the causative factor.

THIRTY YEARS AGO

Carl E. Rice, '97, was an immigration agent at Manila, P. I. His special work was acting as judge of rejected immigrants.

C. P. Hartley, '92, was physiologist in charge of corn investigations of the United States Department of Agriculture, Washington, D. C.

The English faculty met at the home of J. W. Searson, associate professor of English. Doctor Brink read a paper on Goethe's "Faust."

FORTY YEARS AGO

W. P. Putnam, a student in the dairy school, accepted a position with a creamery at Merkel, Texas.

At a meeting of the athletic association, Fred Fockele was chosen manager and E. W. Coldren, captain of the baseball team for the coming season.

FIFTY YEARS AGO

F. A. Hutto, '85, was elected county attorney at Payne county, Okla., on the Republican ticket.

Phoebe E. Haines, '82, was professor of drawing at the Agricultural college, Las Cruces, N. M.

Professors Popenoe, Graham and Olin addressed the farmers of Coffey county in a two-day institute held at Waverly.

SIXTY YEARS AGO

The moot-court of Alpha Beta society was called to order by Sheriff E. A. Ward, Judge Failyer on the bench.

The regular monthly lecture, by members of the College faculty, was delivered by Professor Walters on the

subject, "The Relations of Art and Industry."

At the February meeting of the Scientific club, the following officers were elected for the remainder of the year: Professor Popenoe, president; W. Ulrich, vice-president; S. C. Mason, secretary; G. H. Failyer, correspondent-secretary; D. S. Leach, treasurer; J. C. Allen, librarian.

KANSAS POETRY

Robert Conover, Editor

MINT FOR MEMORY

By Ralph J. Donahue

She planted a bed of green-gray mint,
And watched its thrifty growing;
Her song was light as a June sunrise,
Her heart, a spring wind blowing.
Then out of the east a young man came,
With eyes, mint gray, and thrilling.
He took her hand, for he held her heart,
Nor found the maid unwilling.

The years went by and the mint-bed grew;
Never a season failing . . .
Her life grew full as a new blown rose
When summer's clouds are paling.
The paths grew dim on the old home farm—
Cool paths her feet were knowing—
But her heart returned when green-mint sails
Cruised down a west wind's blowing!

Ralph J. Donahue of Bonner Springs edits two poetry columns in the local paper, the Chieftain. His poems have appeared in the Literary Digest, the Kansas City Star, Christian Science Monitor, Kaleidograph, Wings, Bard, Brooklyn Times-Union and some 40 other publications. Mr. Donahue is a member of the Kansas Authors' club and the Kansas City Quill club. He does feature article work for the Topeka Daily Capital and the Kansas City Journal.

SUNFLOWERS

By H. W. Davis

SHORT HISTORY OF U. S. A.

In another day or two we are going to celebrate, in a way or two, the birthday of a gentleman from Virginia, who once upon a time took a hodge podge of hastily assembled colonies, nursed them through a terrible war and eight years of three-months colic, and turned them over to our forefathers as the United States of America, bouncing boy prodigy of the world.

In the century and a half since then the little fellow has grown up and, in spite of a lot of buffeting and bad advice, become a healthy, wealthy, strapping young man, as nations go. Of course we call him Uncle Sam, but he is still youngish, and still inclined toward romancing, wishful thinking and other kinds of sentimentalizing. He has had his share of rough-and-tumble fighting though, the worst struggle having been with himself; but he has always come out in pretty good shape after too many rounds of awkward, disastrous, costly wobbling about.

I cannot keep from wondering what George Washington would think and what he would say if he could come back to his 209th birthday party and study his child a while. I am pretty sure he would not repeat that farewell address, probably not even quote it. If George Washington could be alive again, he would see the boy today pretty much as is; for an ability to "size up" a job and stick to it was his chief element of greatness. Some biographies whine that it was his only one.

No, contrary to the loudest political thought of the day, I cannot believe the Father of His Country would turn out to be either an isolationist or an all-out dabbler in the affairs of other continents. He would recognize differences between the stage-coach and the airplane, the three-master windjammer and the one-hundred-million-dollar battleship, the flintlock rifle and the machine gun. He would see differences between 13 impoverished colonies clinging to a rock-bound coast and 48 commonwealths bulging out into (rather far into) two sizable oceans. He would sense that radio is faster than Paul Revere could possibly be on any horse.

George Washington would very, very probably insist on getting the job (whatever it turns out to be) thoroughly rather than hurriedly done. He would be just as tactfully deaf to fire-eaters and propagandists on one side as he would to fraidy-cats and head-hiders on the other. Somewhere between the two he would find a reliable public to back him, and carry on—even through another Valley Forge and another series of constitutional conventions.

AMONG THE ALUMNI

Fannie (Parkinson) Moyer, B. S. '96, writes that she is now at 3400 Huntoon street, Topeka, where her husband, A. G. Moyer, is in the real estate business. They were formerly at Chillicothe, Mo.

Kate (Zimmerman) Grigsby, B. S. '00, who is at Solvang, Santa Barbara county, Calif., writes:

"My husband teaches social studies in the local high school, and our daughter, Elizabeth, is a junior in the school. We are about 50 miles north of Santa Barbara. The community is Danish and consists of about 500 people, who were very proud when the Crown Prince and Crown Princess from Denmark made an afternoon's visit here when they were in the United States.

"Many of these people have made trips to Denmark, and are saddened by the German invasion of their homeland. Now and then a letter comes, telling the relatives that they are still alive, but not much else, as all the letters are censored. One friend told us that he had been in Germany on one trip and thinks that the common German people he met are nice, so it bewilders him as it does many others that the nation has become so warlike.

"If the chance comes for you to come West, drop in for an afternoon treat of coffee and coffee cake, or maybe about 10 o'clock in the morning, join the bunch at the Danish cafe for the same kind of refreshments."

E. W. Thurston, E. E. '06, is sales promotion manager of the specialty products division of Western Electric company, 300 Central avenue, Kearny, N. J. He has formerly been with that company at New York City.

Mary Kimball, D. S. '07, is first assistant to the registrar, Miss Jessie McDowell Machir. Miss Kimball has worked in the registrar's office since 1918. Her address is 1311 Laramie, Manhattan.

Frances L. Brown, D. S. '09, is home demonstration agent at Safford, Ariz. Her address there is 910 Central street. She was formerly state home demonstration agent at Tucson, Ariz., and prior to that, at Stillwater, Okla.

George R. Elliott, Ar. '11, is at 43801 Chase road, Belleville, Mich. He is a contractor in Detroit.

J. D. McCallum, Ag. '14, and Elizabeth (Sellon) McCallum, f. s. '12, are at 514 East First street, Flint, Mich. Mr. McCallum is superintendent of parks for the department of parks and recreation for the city of Flint.

William W. Haggard, M. E. '15, and Mabel (Ruggles) Haggard, H. E. '16, may be addressed at 125 North Elmwood, Topeka. Mr. Haggard is general foreman of the Topeka locomotive department of the Atchison, Topeka and Santa Fe railway.

F. M. Wadley, Ag. '16, M. S. '22, and Berta (Chandler) Wadley, '12, have moved from Silver Spring, Md., to 3215 North Albemarle street, Country Club hills, Arlington, Va. He is still engaged in fruit insect investigations, United States Bureau of Entomology.

James A. Hull, Ar. '17, is science teacher in Alameda high school, Berkeley, Calif. He and Mrs. Hull (Andree Le Breton) live at 2438 Russell street, Berkeley.

Katherine (Miller) Hicks, H. E. '18, and her husband, John B. Hicks, a former student of the University of Alabama, are now at Lemay, Mo. Their address is Route 9, Box 539.

Myrtle Gunselman, H. E. '19, is associate professor of household economics at Kansas State College. She has been with the College in that connection since 1926.

Samuel D. Capper, Ag. '21, M. S. '30, and Mae (Price) Capper, f. s., are at Amarillo, Texas. Mr. Capper, who is with the Soil Conservation service, was for several years county agent in Kansas, serving Riley county here in that capacity.

William H. Koenig, Ar. '22, is a general contractor in Chicago. He recently wrote to Prof. Paul Weigel, head of the Department of Architecture:

"I have been struggling with the

contracting business in partnership with Wilford R. Sproul for the past three years and have recently switched over to operating on my own. So far, business has not been anything to brag about, or to complain about either. Along with everyone else, I am expecting a fairly decent year for 1941, with all the defense activity."

George E. Martin, D. V. M. '24, has opened an animal hospital at 530 Stockton avenue, San Jose, Calif.

Florence (Harris) Walker, H. E. '25, M. S. '29, has moved to Marshfield, Mo., where she is connected with the extension office. She has recently been transferred from Dunklin county, where she has been home demonstration agent for four years, to accept the position in Webster county.

Harold J. Brodrick, Ag. '26, and Vivian (Venables) Brodrick, f. s. '27, have two children—Harold Jr., 9, and Joyce Diane, 5½. They live at 704 North Canal, Carlsbad, N. M. Mr. Brodrick is assistant chief park ranger of Carlsbad Caverns national park. He is a member of the National Park service.

A personality sketch published in the Topeka Daily Capital of a leading Topeka business executive recently told of Phil L. Thacher, f. s. '27.

"Coming to Topeka in 1929 he traveled on the road for the Intercollegiate Press of Kansas City. He established the Thacher Office and School Supply in 1935. He spends part of his time with his representatives who cover all of Kansas and parts of Missouri and Oklahoma.

"Mr. and Mrs. Thacher have three little daughters, Sarah, Becky and Lucy. Phil's diversion each summer is a fishing trip to Wisconsin, Colorado or Wyoming. He is a member of the Lutheran church, Lions club, Elks club and the Chamber of Commerce. He is also a Mason."

Mr. Thacher's company furnished the new physical science building at Kansas State College.

Elbert W. Smith, C. '31, and Roberta (Jack) Smith, H. E. '33, are at 1800 Key boulevard, Arlington, Va. When he visited the Alumni office last October, he was assistant chief in the classification section, personnel division, with the Federal Works agency, Washington, D. C. Mrs. Smith, a home ec grad, is raising their son, Jack Frederick, named after his grandfather, Fred J. Smith, a '95 graduate of Kansas State College.

Capt. J. H. Rust, '32, Seattle Quartermaster depot, Federal building, Seattle, Wash., recently was a passenger in a large federal bomber traveling from Tacoma to Fort Riley. The return trip was made in a similar fashion. It enabled him to visit relatives and friends in Manhattan.

Winnie Pearl Condit, M. S. '33, has been home management supervisor with the Farm Security administration at Hugoton since June 1. Prior to that, she taught home economics in Liberal high school for four years.

Arlene Wallace, H. E. '37, and T. R. Collins, G. S. '36, were married June 16. Mr. Collins graduated last spring from the Rush Medical college in Chicago and is now an interne at Kansas City General hospital. Mrs. Wallace is a dietitian in Bell Memorial hospital in Kansas City.

Dr. Ian C. McDonald, D. V. M. '38, P. O. Box 594, Newman, Calif., last fall became owner of the general veterinary practice of Dr. Fred O'Neal (deceased). Doctor McDonald and Virginia (Wilson) McDonald, I. J. '37, are the parents of twins, a boy and girl who are now a year and a half old.

Owen Earl Clark, I. J. '39, is assistant editor of the Pulse, a trade magazine of the Occidental Insurance company. He is at 756 South Spring street, Los Angeles.

From the Kansas State Nurses' Association Bulletin, the list of Kansas State nurses graduated in 1940 and their jobs are listed as follows: Dolores Williamson, instructor, Jewish hospital, Louisville, Ky.; Ruth King, instructor, Grant hospital, Columbus, Ohio; Laura Jane Goodall, instructor, Lakeview hospital, Danville, Ill.; Martha Brill, instructor, Burge hospital, Springfield, Mo.; Mabel Toothaker, instructor at Trinity Lutheran hospital, Kansas City, Mo., and Marion Cross, public health nurse in western Kansas.

LOOKING AROUND

KENNEY L. FORD

Livestock Alumni Meeting

H. L. Murphey, Ag. '28, county agent at Coldwater, has announced, as president of the Kansas State Alumni division of the Kansas Livestock association, that the group will have its annual dinner meeting at noon, March 6, at the Lassen hotel, Wichita.

Farm and Home Week Visitors

Some of the alumni who visited the Alumni office during Farm and Home week on the campus included W. G. Tulloss, '99, Rantoul; H. W. Avery, '91, Wakefield; H. L. Cudney, '09, Trousdale; Charles Gilkison, '06, Larned; Herman Praeger, '08, Claf-lin; V. Eugene Payer, '39, Effingham; James R. Nuttle, f. s. '26, El Dorado; Ruth Hofsess, '38, Independence; Anna Scholz, '40, Effingham; W. A. Sumner, '14, Madison, Wis.; O. M. Norby, '12, Pratt; J. Elwyn Topliff, '39, Jewell; Charles Olson, '38, Westmoreland; Paul Griffith, '34, Oberlin; Earl Wier, '31, McPherson, and Pauline Drysdale, '38, Smith Center.

Pays \$240 for Alumni Dues

Would you pay \$240 for four years annual membership in the College Alumni association? Edward Shim, Ag. '16, Hongkong, China, did just that when he recently paid his dues in the Alumni office. Mr. Shim said THE INDUSTRIALIST was worth the cost to him. His trip to the United States was costing him \$20,000 in Chinese money.

His visit to the campus January 21 to 23 was his first since graduation. He spoke to the Manhattan Rotary club and the agricultural seminar. He amazed everyone with his keen memory of names and faces.

Mr. Shim is technical adviser for the fertilizer department, Imperial Chemical industries. His wife, Yeung Yan Lan, is a graduate of a Chinese medical college. They have three children—two daughters, Yuk Mui, 18, and Yuk Yie, 11, and a son, Wei Mun, 14.

Philadelphia Dinner

The annual Kansas day dinner of the Kansas State College and University of Kansas Alumni associations was held in Philadelphia on January 29 at Schrafft's restaurant. Forty-three persons attended the dinner, after which the group played informal games.

Interest was added to the evening gathering by the clever name cards in the form of sunflowers that were used and the sunflower table decorations. These were made by the wives of the two presidents of the Philadelphia organizations, Mrs. Kohman and Mrs. Rathbun, who also conducted the games.

Kansas State College alumni at the meeting included:

Betty Jean Jones, '40, Louise Boyle, '40, Robert Lake, '40, L. S. Hobson, '27, Myrtle Morris, '36, Martha Sandeen, '29, Ernest F. Miller, '25, and Marjorie (Melchert) Miller, '23, John P. Rathbun, '16, and Charlotte (Hall) Rathbun, '17, H. L. Bueche, former Kansas State faculty member, and Mrs. Bueche, all of Philadelphia; W. E. Forney, '25, and Mrs. Forney, Merchantville, N. J.; H. Clay Lint, '11, and Clara (Morris) Lint, '11, Millville, N. J.; P. L. Fetzer, '20, and Mrs. Fetzer, Ridley Park, Pa. Florence Lehman, M. S. '39, secretary of the Philadelphia group, also was present.

Acknowledges College Honor

The honor accorded last week to Mrs. R. W. Goodman, who writes Stafford county news for the Tribune, is a deserving tribute to her. Naturally, the Tribune feels a great deal of pride in having one of its corps of 24 correspondents selected among the six best in the state and accorded honors at Farm and Home week of Kansas State College.

But to Mrs. Goodman, who knows that the little homy things like a newly painted barn, the first chick to hatch in spring or the purchase of a new cream separator are pleasant-reading news to any community, must go full credit for the honor she has achieved. Her story last spring on the coming of electricity through the Rural Electrification administration presented an angle that those who had never had to drive into a

dark farmyard at night nor tried to keep butter from assuming a liquid state in summer had not considered. For interpreting the small happenings of her community in an interesting way, Mrs. Goodman has been justly and publicly honored.

Recognition of these self-effacing rural writers has been long overdue. Fitting tribute to them through the journalism department at the College gains the appreciation not only of the newspapers but of the folks who read the country correspondent's columns. It is another service to the people from their College.—Editorial comment in the Pratt Tribune.

MARRIAGES

CAUTHERS—KLINGER

Catherine Cauters, Ashland, became the bride of Dwight David Klinger, Ag. '38, December 1 at the First Presbyterian church in Ashland. Mrs. Klinger is a graduate of Washburn college and a member of Kappa Alpha Theta sorority. Mr. Klinger's fraternity is Sigma Alpha Epsilon. The couple will live in Ashland.

BARNES—GUDGELL

Marian Barnes, I. J. '40, daughter of Mrs. Jane W. Barnes, Manhattan, and Frank W. Gudgell, f. s. '39, were married September 15 at South Pasadena, Calif. Mrs. Gudgell is a member of Alpha Xi Delta and Enchiladas, dancing sorority. The year she was a sophomore she was elected Royal Purple beauty queen. Mr. Gudgell is a member of Sigma Alpha Epsilon fraternity. They are now living at 805 El Centro street, South Pasadena.

RHOADS—COBERLY

Sunday morning marriage vows were read for Lillian Rhoads of Edwardsville, Ill., and Harry Coberly, Ag. E. '31, on December 1. The wedding took place in the home of the bride's parents. Mr. Coberly, member of Sigma Nu fraternity, and his bride are at home in Hutchinson, where he is owner of the Coberly drug stores.

HARBAUGH—DAVIS

Eleanor Harbaugh and Caldwell Davis Jr., Ag. '36, were married November 17 at the home of the bride's parents in Linwood. Mrs. Davis attended Baker university where she was a member of Alpha Chi Omega. Mr. Davis was a member of Delta Sigma Phi fraternity. He is prominent in Kansas politics and a member of the House of Representatives. The couple reside at Bronson.

UHL—REA

Elinor Lucile Uhl, G. S. '38, became the bride of Harold Hugh Rea, f. s., December 15. She is a member of the Chi Omega sorority, being president during her senior year. Mr. Rea was a member of Sigma Delta Chi, professional journalism fraternity. At present, he is editor of the Harvey County News in Newton. They are at home at 613 Southeast Second street, Newton.

FITZGERALD—BRUNNER

Mary Helen Fitzgerald, C. '39, was married December 14 to Thomas R. Brunner, C. '39, at the Episcopal church in Manhattan, with the Rev. Charles Davies reading the marriage service. Mrs. Brunner, a member of the Alpha Delta Pi sorority, has been teaching in the high school at Harlan and will continue until the end of the present school year. The groom, a member of Sigma Nu fraternity, is attending Kansas State College this year, working on his master's degree in bacteriology.

VINCENT—ELLING

The marriage of Eleanor Vincent, Ottawa, and Roland B. Elling, Ag. '38, took place December 15 in Ottawa. The bride, a graduate of Ottawa university, was employed in the office of her grandfather, the late George B. Ross, while he was state grain inspector. She taught a year in the Atlanta high school and recently held a stenographic position with the Ross Milling company. Mr. Elling is a member of the Sigma Phi Epsilon fraternity. He has been Franklin county agent the past two years. Their home is at 830 South Mulberry, Ottawa.

Poses for Safety Pictures

Margaret Reissig, a freshman in the Department of Industrial Journalism and Printing, has her picture on Kansas State Highway bulletins. Miss Reissig was selected by Kansas highway officials to pose as the pretty girl in their safety campaign.

RECENT HAPPENINGS ON THE HILL

The Kansas State College table tennis team defeated the University of Kansas players, seven matches to four, in an unofficial intercollegiate match Sunday afternoon.

Prof. C. H. Scholer, head of the Department of Applied Mechanics, is in Washington, D. C., this week attending the annual convention of the American Concrete institute.

The February issue of the Kansas State Engineer, being distributed this week, tells about the Engineers' Open House next month. Bert Sells, Wichita, chairman of the Open House, has written a letter of welcome for the current issue.

Three and a half bushels of potatoes, 40 gallons of coffee and 100 eight-inch pies were used at the College cafeteria in serving one meal to over 2,000 people during Farm and Home week. More than 1,000 people are served ordinarily in the cafeteria daily.

Girls can live in a sorority for \$20 a month. Members of Clovia, local social sorority, have proven it, according to an article by Glenn Busset, Manhattan, senior in agricultural administration, appearing in the March issue of the Country Gentleman magazine. Begun in 1930, the sorority went national in May, 1939.

Prof. C. H. Scholer, head of the Department of Applied Mechanics, has been appointed chairman of the technical committee to study the durability of Portland cement. This study is in connection with a joint research project initiated at the Highway Research board meeting in Washington, D. C.

Two Kansas State College graduates, Lieut. James Cooper, I. J. '40, and Lieut. Richard Hotchkiss, M. I. '39, visited the campus this week. The two second lieutenants recently graduated from a three months' course in the infantry school at Ft. Benning, Ga., and are enroute to new stations at Camp Roberts, Calif.

The only woman ever to be nominated to Nebraska's unicameral legislature is now a Kansas State coed, Ruth Zimmerman. Miss Zimmerman, enrolled in home economics and journalism, won over five men in the primaries of 1940, but lost in the regular election. After getting a degree at Kansas State College, she hopes to earn enough to go into law again.

BIRTHS

Robert J. Danford, Ag. '35, writes: "Just a few lines to let you know that a daughter, Barbara Louise, was born December 9 to Olga (Ehnstedt) Danford and myself. We are farming on a diversified farm near Hutchinson."

"We receive THE INDUSTRIALIST regularly and enjoy it very much. Also received our copy of Doctor Willard's history of the College. This is certainly a fine piece of work. Thanks very much for the copy."

Dr. P. H. Hand, D. V. M. '37, and Anna Lee (Berry) Hand, '37, are parents of a daughter, Nancy Rhue, born January 23. Their home is at 779 Circle court, South San Francisco, Calif. William Milton, their son, will be 3 in July.

Dr. Fung Kuan Huang, '39, c/o William Hooper Foundation for Medical Research, and Mrs. Huang are the parents of Franklin Merwyn, born September 16. They reside at 920 Sacramento street, San Francisco, Calif.

DEATHS

PECK

George C. Peck, B. S. '84, died January 27 at his home in Manhattan. He had suffered from flu and complications. Mr. Peck was a retired business man, having operated a news and magazine agency and a book store in Jewell for a number of years. He had lived in Manhattan since 1933. Survivors include the widow, two children, a sister, Mrs. J. W. Berry, '84, Manhattan, and three brothers.

19 AVIATORS RECEIVE PRIMARY CERTIFICATES

FOUR OTHERS HAVE PASSED THEIR FLIGHT EXAMINATIONS

**Quota of 30 Is Set for This Semester's
Beginning Flying Course,
with 20 Already
Approved**

Nineteen students have received CAA certificates saying they passed the primary flying course offered at the College last semester in connection with the Civil Aeronautics authority.

The quota of 30 students for this semester's primary flying course has not been filled yet. Professor Pearce said earlier this week that about 20 had passed the preliminary examinations.

PASS GOVERNMENT TESTS

The students who satisfactorily passed the course and the examinations, including the government flying tests, are B. W. Doran, Macksville; C. E. Ewing, Blue Rapids; C. E. Fanning, Melvern; E. J. Garvin, Manhattan; J. L. Haines, Manhattan; J. W. Hamburg, Marysville; E. E. Haun, Larned; C. W. Hodgson, Little River.

H. E. House Jr., Cheyenne, Wyo.; A. E. Hudson, Nashville; G. A. Melard, Russell; R. C. Muret, Winfield; D. W. McMillan, Manhattan; C. F. O'Brien, Iola; C. R. Perry, St. George; G. M. Revell, Chase; J. H. Rickenbacker, Turlock, Calif.; H. H. Tubbs, Elkhart, and H. R. Turtle Jr., Quinter.

MAY TRY AGAIN

Four students passed their examinations but have not received their licenses yet. They are J. H. Green, Mound City; B. L. Limes, La Harpe; J. T. Muir, Norton, and W. W. Rumold, Elmo.

The five who failed the government examination will be given an opportunity to take it over, according to Prof. C. E. Pearce, head flight instructor.

ORGANIZATIONS ARE WORKING ON THEIR Y-ORPHEUM STUNTS

**Traditional Entertainment Will Be
Held in College Auditorium
March 7 and 8**

Campus organizations are working on stunts for the Y-Orpheum which will be March 7 and 8 in the College Auditorium. William West, Hiawatha, is student manager, and Norman Webster, instructor in the Department of Public Speaking, is director of the YMCA-sponsored stunt program.

The entertainment will include 15-minute and eight-minute acts as well as a special number by the Women's Glee club under the direction of Edwin D. Sayre, associate professor in the Department of Music.

Matt Betton and his orchestra will open the show.

Two trophies will be awarded to the winners of the sets of long and short acts. Organizations and their student managers which are preparing stunts are the Independent Student Union, Frank Patton, Atwood; Sigma Phi Epsilon, Boyd McCune, Stafford; Pi Beta Phi, Jean Scott, Manhattan; Delta Delta Delta, Violet Farmer, Fredonia; Chi Omega, Kay Millard, Zenda; Alpha Xi Delta, Fern Roelf, Bushon; Phi Delta Theta, Don Wallace, Hill City, and the Cosmopolitan club.

Heads of the committees in charge include Don Wallace, Hill City; stage committee; John Hudelson, Pomona, ushers; Dan Maurin, Kansas City, ticket sales. O. D. Hunt, associate professor in the Department of Electrical Engineering, will be in charge of the lighting.

Accept Jobs for Spring

Two more seniors in the Department of Chemical Engineering to be graduated this spring have accepted positions. Six senior chemical engineers previously accepted positions. The two additional chemical engineers who will begin work June 1 are Willis D. Payton of Arkansas City, who will work for Phillips Petroleum corporation, Bartlesville, Okla., and Charles E. Webb, Hill City, who will work with Sharples Solvents corporation, Wyandotte, Mich.

Talks to Legislators

Prof. C. W. McCampbell of the Department of Animal Husbandry spoke to farmer members of the Kansas Legislature Tuesday in Topeka on "Livestock and the Future."

"Pedro the Voder" Here

"Pedro the Voder," the mechanical equipment used in the artificial production of speech, will be on display at the College Auditorium February 27 at a night meeting sponsored by the Kansas State chapter of the American Institute of Electrical Engineers. J. O. Pettine of the American Telephone and Telegraph company will talk about the Voder, a similar model of which was displayed at both the New York and San Francisco World fairs last year.

PROFESSOR HOWE ANNOUNCES PLEDGING OF 21 STUDENTS

**Faculty Adviser Makes Public List of
Those Intending to Join 10
Fraternities**

Twenty-one fraternity pledges were announced recently by Prof. Harold Howe, faculty adviser. Ten fraternities were included.

The pledges and their fraternities: Alpha Gamma Rho: Vernon Geissler, Durham; Fred Westhusin, Codell. Alpha Kappa Lambda, Charles Hunter, Ottawa. Alpha Tau Omega: Richard Buchli, Kansas City; Foy Thompson, Harper; Loren Thompson, Harper. Farm House: Joe Jagger, Minneapolis; William H. Parmely, Le Roy; Lewis Schafer, Jewell.

Phi Delta Theta: Charles Fairman Jr., Manhattan. Pi Kappa Alpha: George Frederickson, Concordia; William Howard Funk, Abilene; Adrian Moody, Norton. Sigma Alpha Epsilon: Sam Wise, Des Moines.

Sigma Nu: Peter Ruckman, Topeka; Robert Lee Wilson, Wellington; Charles F. Houghton Jr., Ft. Leavenworth. Sigma Phi Epsilon: Louis Alvan Ball, Kansas City, Mo.; Paul Cibolski, Manhattan; Charles W. Edgerton, Wichita. Theta Xi: Henry Sirridge, Topeka.

LOVE AND MARRIAGE SERIES TO START TOMORROW NIGHT

**Rev. B. A. Rogers Will Discuss "Boy
and Girl Partnerships"**

Lectures on "Love and Marriage" will start tomorrow when the first of a series under the joint sponsorship of the YMCA and the YWCA is held in room 115 in the Physical Science building at 7:30 p. m. The Rev. B. A. Rogers, director of the campus Wesley Foundation, will discuss "Boy and Girl Partnerships."

Other speakers at the weekly series will include a personnel worker from the College faculty, an economist, a doctor and a lawyer. Judge R. R. Bennett and Dr. Barrett A. Nelson already have consented to address the students.

Success of a similar series of lectures in the past prompted the YMCA and YWCA to undertake the talks on marriage again.

Martha Payne, Manhattan, and Allen Brown, Osborne, are co-chairmen of the Y committee in charge of the series.

FARM CROP VARIETIES

(Continued from page one)

favor with farmers in the eastern third of the state, however, because of its many desirable agronomic characteristics.

Nebred wheat, a hard, red winter variety released by the Nebraska station in 1938, was not accepted for recommendation by the station because of insufficient information on its milling and baking characteristics. Dr. E. G. Bayfield, head of the Department of Milling Industry, explained that his department had not completed a sufficient number of tests on the variety for its milling and baking qualities and therefore were "reluctant to recommend the variety" until further tests were made as a basis for their approval or disapproval.

In agronomic characteristics, Nebred wheat resembles its parent variety, Turkey, in many respects with the added advantage that it is more winterhardy than Turkey or any of the common varieties now grown. It also has a higher test weight, averaging 59 pounds, and is more bunt resistant than its parent variety.

Because of its susceptibility to bacterial leaf wilt, Grimm alfalfa was removed from the list of farm crops eligible to certification in Kansas. The variety has declined in acreage in Kansas in recent years because of that objection to it.

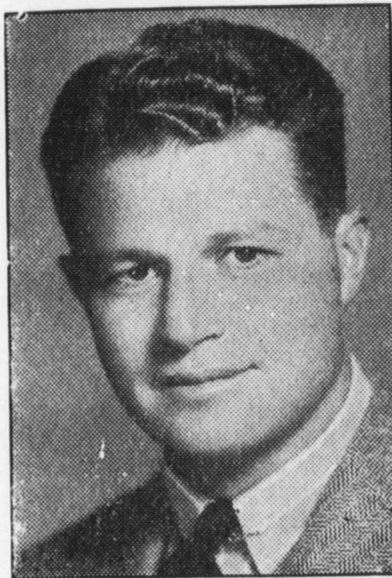
Discusses What College Is

Dr. S. A. Nock, vice-president of the College, was to discuss "What Is a College?" at the student forum discussion this noon in Recreation Center.

COACH JACK GARDNER PICKS K. U. FOR TITLE AFTER TEAM MEETS OTHER FIVE CAGE RIVALS

Coach Jack Gardner recently reiterated his prediction that the University of Kansas will win the Big Six conference basketball championship, but he rates Iowa State college the best quintet the Kansas State team has faced this year.

"I still consider K. U. the heavy



JACK GARDNER

favorite to win," the Kansas State coach said. "Howard Engleman is the answer. Put that boy on any of the other Big Six teams and that team would win the title."

Coach Gardner gives Iowa State college a good chance to tie for the title if the Cyclones receive a little help from Nebraska, Oklahoma, Missouri or Kansas State—K. U.'s remaining opponents.

"Iowa State college has a well-balanced team," he said. "They are fast, catlike on defense, handle the ball well and have the necessary height for rebounds. They have a good balance between a fast break and set offense, and all of their team members are good scorers."

The Wildcat mentor considers Oklahoma "potentially a good ball club." The Sooners have size, speed and the ability to hit from the field. But Coach Gardner believes Iowa State college makes fewer mistakes and has more hustle than Oklahoma.

Nebraska is a threat to anybody because of Don Fitz and Sidney Held, whom Gardner rates as two of the best guards in the conference. He looks for Missouri to upset a team or two at Columbia, but believes the loss of their front line due to ineligibilities and an injury will prevent the Tigers from winning consistently the remainder of the season.

Coach Gardner believes his own club still has a win or two left. "We have depended upon hustle, spirit and team play rather than ability," he explained. "We have an inexperienced club with no outstanding player and no real height. Six of our first 10 men are playing their first year. We lack scoring punch, but our defense has been satisfactory."

Emphasizing the closeness of the race, Coach Gardner pointed out that Kansas State has been outscored only 14 points in seven conference games, or an average of two points per game. And yet the Wildcats are in fifth place.

"The leaders have won a number of close contests," he said. "Anything can happen in the stretch."

COLLEGES IN FIVE STATES, INCLUDING KANSAS, ARE STUDYING NUTRITIONAL STATUS OF COEDS

The nutritional status of college women is being studied in an extensive research project being made by Kansas State College in collaboration with the state schools of Iowa, Ohio, Minnesota and Oklahoma.

Well into its fifth year, the research is being carried on here by Miss Bernice Kunerth, assistant professor of food economics and nutrition in the Division of Home Economics.

Because the character of development and the period of cessation of growth, especially in women, has been little investigated, these five states set out to determine possible variations, according to age groups. One thousand thirteen college women were measured and the findings recorded. The measurements taken were height, weight, chest breadth, chest depth, girth of the arms and left leg and pressure of the right and left hands.

Although these five states are in the same geographical region, differences are evident in the measurements by the various states. While the mean height of Ohio students is significantly less than the mean height of girls in other states, differences in weight are slight enough to be disregarded. The ethnic derivation also varies somewhat between states.

One important conclusion that may be drawn from this research is that, in comparing previous studies on college women from Minnesota, Ohio and Iowa with the present observations, it is apparent that the college freshmen of today are taller and heavier at ages 17, 18, 19 and 20 than those entering at the earlier dates. This, however, might be explained in part by the fact that the women observed in this study were in good health, while those reported earlier were of an unselected group.

In order to be certain that investigators at their respective institutions are following identical procedures in taking the measurements, the co-operating groups meet annually to check each other. This year, the meeting will be at Chicago in April.

Miss Kunerth, in speaking of the research, emphasizes the point that these statistics are not for comparison between states, but to set up standards in the various areas.

In addition to the relationship of measurements to the nutritional status of college women, other phases also are being studied. Basal metabolism, a study of the blood picture of college women, the food intake and utilization of the food of a selected group and their dietary habits are also under observation at the various institutions.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Economics deals with the relations among men and their relations to their physical environment."

Economics deals with the relations among men and their relations to their physical environment. These relations are exceedingly complex. At first thought, the problems of economics appear to be simple. All that seems necessary is to do the right thing and deal fairly and justly with one's fellowmen. But what is fair and just?

The extent of our economic problems may be more easily realized if one thinks of the number of people contributing directly or indirectly to a simple breakfast which you or I may enjoy. The products we eat and the equipment we use in connection with a breakfast represent the efforts of many persons in this land and in other lands. Also, they represent the past efforts of many people. Production of food products in this country

and in distant foreign countries is involved. Transportation systems of all kinds make their contribution. Factories turn out furniture, silver, linens and food products. The simple breakfast involves relations with literally thousands—perhaps millions—of people. With so many people involved, our relations to them cannot be simple. They are complex.

Many of our difficulties of today arise out of the fact that our relations are assumed to be simple when they are complex. Thinking they are simple, people give too little thought to them and make too little effort to understand them. Improvements in our economic relations come through an understanding of them and the willingness to face the problems even though they may be complex and difficult.

MISSOURI WINS CONTEST IN FINAL FIVE SECONDS

**TIGER CENTER SCORES BASKET
AND WINNING POINTS**

Wildcats Lose Bitterly Fought Columbia Game, 30-28, After Danny Howe Ties Count with Free Throws

The Missouri Tigers, playing a Kansas State College quintet at Columbia Monday night, broke their string of six losses to win with a field goal in the last five seconds of play. It was Missouri's first conference victory this season. The final score was 30-28.

Taking the ball out of bounds after two free throws by Dan Howe, Wildcat forward from Stockdale, had tied the score at 28-28, Martin Nash, Tiger guard, heaved a long pass to Roy Storm, center, who connected with the winning basket as the final gun sounded.

HALF-TIME SCORE IS TIED

The game promised to be a tight one soon after the playing started, and at half-time the score was knotted 12-12. In the second period, the Tigers moved slightly ahead of their opponents and led 27-22, with four minutes left to play. Then a long shot by Chris Langvardt, Alta Vista, and a goal by left-handed Tom Guy, sophomore center from Liberal, cut the Missouri lead to a single point.

Martin Nash, Tiger captain, then scored on a free throw after a foul by Norris Holstrom, Topeka, increasing the Missouri lead to two points, with 15 seconds left.

Immediately afterward, Loren Mills, Missouri, fouled Dan Howe. Howe's two charity tosses were good, tying the game. Then, in the final seconds of the game, Storm made the last goal of the contest to win the game for Missouri.

PLAY KANSAS TUESDAY

Next Tuesday evening, the Wildcats will meet the University of Kansas five at Lawrence in their next to the last game of the season. The Jayhawkers defeated the Kansas State team 46-41 in their initial meeting here earlier in the season.

On March 1, the Wildcats will go to Ames, Iowa, to meet the Iowa State Cyclones in the last game of the season.

CHRIS LANGVARDT STARS IN THREE MAJOR SPORTS

Alta Vista Athlete Is Cagers' Spark-Plug Just as He Was for Football Team Last Fall

One of the greatest competitors in Kansas State College athletic history, Chris Langvardt, Alta Vista, is the same spark-plug on Coach Jack Gardner's basketball team that he was in football last fall.

This letter man is one of the few Big Six conference athletes who hold down starting positions on three major sports teams. A halfback on the gridiron, Langvardt won recognition throughout the conference with his all-around play. His teammates elected him honorary captain when the season ended. He will turn to baseball in the spring as a catcher or outfielder.

Langvardt, a forward in basketball, is the type of player that comes through when the pressure is on. He reported for basketball for the first time last season and learned the game quickly enough to win a starting assignment in only a few weeks. A football injury slowed him up the first of the present season, but he's been a tough problem for Kansas State's Big Six conference foes.

Coach Gardner considers Langvardt "as good a competitor as I've seen."

He stands six-foot-one, weighs 175 pounds.

"For his size and experience, Langvardt is playing marvelous basketball," Coach Gardner said. "He is a born competitor, a hustler at all times. He is strong defensively and a great retriever. He is a spark-plug, the type of man that holds a team together."

A senior, Langvardt is a good student in vocational agriculture. At Alta Vista, he captained his high school football, basketball and baseball teams.

Announce Junior Vet Dinner

The annual Junior American Veterinary Medical association dinner and dance will be held April 26, the organization decided last week.

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Number 20

AUDITIONS BEGIN MONDAY FOR NBC CHAIN PROGRAM

SCRIPT BY H. MILES HEBERER
SENT TO WASHINGTON

Students Will Participate in Farm and Home Hour Show Which Will Originate in Station KSAC March 19

Auditions for student participation in a nation-wide broadcast, the National Farm and Home hour, to originate in the studios of KSAC March 19 are scheduled for next week beginning Monday.

This will be the second time for the program to be broadcast from the College radio station during the past four years. It will be carried over approximately 55 radio stations on the National Broadcasting company network.

TELLS ABOUT KANSAS

H. Miles Heberer, associate professor in the Department of Public Speaking, has written the script for the program and the copy has been sent to Washington for approval. "Green Gold" will be the name of the 1941 show. The story tells about the soil, livestock and human resources of Kansas.

Professor Heberer said approximately 11 men and four women will have roles in the broadcast.

The National Farm and Home hour is a daily feature of the Red network of the NBC and carries programs concerning all phases of the work of the United States Department of Agriculture including the Extension service, Agricultural Adjustment administration, 4-H club work, Future Farmers of America and land-grant colleges.

PICK UP BY REMOTE CONTROL

Land-grant colleges put on one Farm and Home hour program each month. They are so arranged that in a four-year cycle each of the 48 states has been responsible for one broadcast.

The program, planned by the College cooperating with the Extension service, will be picked up by remote control by NBC, Station WDAF, Kansas City, Mo., carries the Farm and Home hour as a regular daily feature from 11:30 a. m. to 12:15 p. m.

KANSAS NUTRITION IMPROVEMENT CAMPAIGN IS STARTED UNDER DEAN MARGARET JUSTIN

A state-wide campaign for improved human nutrition in relation to national defense is being started here with Dr. Margaret Justin in charge. Doctor Justin, dean of the Division of Home Economics, is chairman of a state committee which includes representatives from Kansas colleges and social and governmental agencies interested in nutrition and health.

The committee was appointed December 27 by Gov. Payne Ratner for the purpose of "stimulating and informing public interest throughout the state in the importance of human nutrition to national defense."

Dean Justin explained the objectives are (1) to stress optimum nutrition as a desirable state for Kansas citizens; (2) to utilize available channels to stimulate and inform the public concerning the present nutritional status of children, college students and adults, and (3) to point ways and means of improving the general state of nutrition, recognizing that poor nutrition may persist because we do not know enough, because we do not have enough or because we do not care enough.

Preparation and distribution of material pertaining to human nutrition is now under way.

"We are particularly concerned with the nutrition of Kansas youth," Dean Justin said. "We hope by working through the superintendents and health and nutrition authorities in our colleges and universities that a definite program for better nutrition for school children and college students may be inaugurated."

Plans for such a program on the

MANY FACTORS INDICATE LOWER WHEAT PRICES BY HARVEST TIME, REPORTS EXTENSION EXPERT

By J. WARREN MATHER
Marketing Specialist, College Extension Service

A number of factors indicate a lower level of wheat prices by harvest time. Among the more important ones are:

(1) Estimates that the carryover of wheat in the United States on July 1, 1941, will be 385,000,000 bushels, or 7,000,000 bushels above the record stocks in 1933 on that date.

(2) The large amount of loan wheat to be liquidated this spring and the question of whether there will be a loan program for the 1941 crop.

(3) Prospects for a large domestic crop, since winter wheat production is estimated at 633,000,000 bushels

(based on December 1 condition price).

(4) The lack of export outlets and the excessive carryover in other exporting countries (the world imports in 1940-1941 are estimated at 400 to 425,000,000 bushels, while in contrast to this limited trade outlook, the January 1 surplus for export or carryover of Canadian, Australian and Argentine wheat was estimated at 953,000,000 bushels.

(5) Concern over congestion and lack of storage space next summer.

Among the influences which should moderate price declines are increasing business activity and the government loan; also, the possibility of downward revisions in forecasts of the new crop rather than higher production figures.

ROTC OFFICERS CALLED INTO REGULAR ARMY DUTY

All Seniors Who Will Receive Commissions to Enter Active Service Unless Excused

Students who are completing their work in the Reserve Officers' Training corps this semester and who will receive commissions in May will be called for one year of active duty in the regular army, according to word received yesterday by the Department of Military Science and Tactics.

Those who wish to obtain deferments from active duty may make application a month before graduation, according to present regulations.

Lieut.-Col. James K. Campbell, head of the Military department, said a legitimate excuse for deferment would be the student's desire to complete his College work.

Between 8,000 and 9,000 College seniors who will become eligible for commissions after the present school year is completed are being notified that they will be called into army service in June, officers in the department said. Those who are called up for active duty will enter the army as second lieutenants.

Heads Scabbard and Blade

Arlin Ward, Manhattan, was elected captain to head Scabbard and Blade, national honorary military organization, at a meeting Thursday night. Pierce Wheatley, Gypsum, was selected second lieutenant, and John Bender, Highland, was named first sergeant. The new officers were installed at the meeting Thursday.

CONSERVATIONISTS DISCUSS FUTURE FARM SUGGESTIONS

Dr. W. E. Grimes Suggests Kansas Farmers Avoid Long-Term Debts and Build Up Reserves

How to prepare Kansas farmers for the changes that will result from the defense program and the future post-war readjustment period was discussed at a meeting here for Kansas Soil Conservation service employees last Monday.

Dr. W. E. Grimes, head of the Department of Economics and Sociology, talked on "The Impact of Present Conditions on Kansas Agriculture."

Doctor Grimes said that our export commodities were in a precarious condition and would remain so.

The main impact of the defense program as regards agricultural products will be on domestic products such as pork, mutton, beef and dairy products, he said. The increased purchasing power caused by the defense program will be reflected in higher prices in these products.

Doctor Grimes recommended that farmers prepare for the coming post-war readjustment period, though avoiding long-term debts and building up reserves. For example, he suggested that farmers should keep good breeding herds, and maintain adequate feed reserves.

The Monday afternoon meeting was one of the Kansas conservationists' school meetings and was attended by all of the Soil Conservation service technicians in the state.

Dr. P. H. Stevens, Wichita, representing the Farm Credit administration, and G. L. McCarty, Topeka, representing the Farm Security administration, talked at the meeting.

MATT BETTON AND HIS BAND MAY PLAY IN NEW YORK CITY

Charlie Teagarden Offers Campus Musicians Chance to Perform in East

Matt Betton, popular College band leader, and his band may play at the Pennsylvania hotel in New York City in four weeks. The offer of the job was made by Charlie Teagarden, trumpet player formerly with Paul Whiteman's orchestra, in a long-distance call from New York last week.

The band members are thinking seriously of accepting, Mr. Betton said, although the band has a number of engagements for the remainder of the season. If the band decides to go to New York, Mr. Teagarden plans to take the group to play under his name in hotel ballrooms in the East. The offer includes recording dates in addition to location jobs in ballrooms.

Mr. Betton plans to organize a new band here to replace the present one if it decides to go to New York.

Faulkner Re-elected Editor

Prof. J. O. Faulkner of the Department of English was re-elected recently to serve as editor of the Bulletin of the Kansas Association of Teachers of English. It is Professor Faulkner's 15th term as editor.

CANDIDATES TO RULE PROM NOMINATED BY ENGINEERS

Winners Will Reign Over Open House Dance March 15 as High Point of Activities

Candidates for St. Pat and St. Patricia to reign over the annual St. Pat's prom, culminating the Engineers' Open House, March 15 in Nichols Gymnasium were announced Tuesday. The prom and the election of the saints is sponsored by Sigma Tau, national honorary engineering fraternity.

Candidates for St. Patricia include Shirley Karns, Coffeyville; Dorothy Green, Wichita; Ruth Weigand, Topeka; Virginia Keas, Chanute; Marjorie Gould, Manhattan; Jane Dunham, Topeka; Evelyn Frick, Larned; Helen Perkins, Kansas City; Janora Grove, Newton, and Jessie Collins, Dwight.

Candidates for St. Pat include Eldon Sechler, Hutchinson, Department of Architecture; Victor Mellquist, Manhattan, Department of Mechanical Engineering; Fred Eystone, Wichita, Department of Electrical Engineering; Garland Childers, Augusta, Department of Civil Engineering; Charles Webb, Hill City, Department of Chemical Engineering, and Eugene Haun, Larned, Department of Agricultural Engineering.

Candidates were selected in the engineering seminars last week. Each engineer had an opportunity to vote for the Kansas State girl he would like most to see as St. Patricia. A committee appointed by Sigma Tau selected the 10 candidates.

In this year's election, the engineers will vote next month for two candidates for St. Pat and one candidate for St. Patricia. Voting for two men is intended to eliminate departmentalism in the selection of St. Pat. Winning candidates will be presented sometime during the dance, Sigma Tau announced.

Bob Strong, f. s. '23, and his band have been selected to play for the prom.

EXTENSION PUBLICATION TELLS OF FARM, DEFENSE

NEW BULLETIN DISCUSSES AGRICULTURE AND PREPAREDNESS

Approximately 80,000 Kansans Participated in Division's 1940 Programs, Including Adults and 4-H Members

The Division of College Extension, in an effort to acquaint rural and townspeople of Kansas with the broad aspects of the Extension service program, this week issued a publication called "Better Living from the Farm—An Aid to National Defense."

The mimeographed bulletin, illustrated with numerous drawings, devotes a single page to many of the diverse activities of the Extension division. The publication says that approximately 80,000 Kansas citizens actively participated as members of extension organizations in 1940. This number included men and women members of county farm bureaus as well as girls and boys enrolled in 4-H club activities.

FUNDAMENTAL TO DEFENSE

Discussing the relationship between the national defense program and the activities of the College division, the publication said in part:

"Agriculture is an essential industry in the national defense program. The following quotation is taken from a radio address made by Chester M. Davis, commissioner in charge of the agricultural division of the National Defense Advisory commission, October 17, 1940:

"It is obvious that no nation can adequately defend itself without abundant supplies of food and fiber. It is equally obvious that those supplies cannot be maintained unless the producers are kept in the position to continue efficient production. The objectives of increased farm income and stable prices have long been a recognized national policy."

"A fundamental of all extension programs is increased efficiency. This is also fundamental to national defense."

FARM CONDITIONS ARE DIFFERENT

The bulletin points out that agricultural conditions during the present war are far different from those when the war broke out in 1914. The bulletin says:

"We have 150,000,000 bushels of
(Continued on last page)

AGRICULTURAL EXPERIMENT STATION RESEARCH STUDIES HOW FARMERS MAY IMPROVE MARKETS

The extent of the College's activities to help Kansas farmers improve their economic status is shown in the discussion of six marketing projects reported in the recently released biennial report of the director of the Agricultural Experiment station.

The report lists the six major projects in marketing, undertaken as studies in the economics of agriculture, as follows:

- (1) The marketing of Kansas grain.
- (2) The marketing of Kansas livestock and livestock products.
- (3) The marketing of Kansas fruits and vegetables.
- (4) Production and marketing of Kansas potatoes.
- (5) A study of factors governing the marketing of dairy products in Kansas.
- (6) The economics of the poultry industry in Kansas.

In many cases, the results of the research have not yet been published because the projects are continuing into the present biennium so that bulletins may not be available yet for some of them.

Among the grain studies are those dealing with seasonal movements in corn prices, monthly price movements of oats, seasonal movements in wheat prices, analysis of elevator records and relation between fall precipitation and wheat yields in western Kansas.

The subdivisions of the livestock and livestock products marketing project include studies of the eco-

nomics of cold-storage locker operations, the seasonal variations of livestock prices, the purchases and sale of livestock by farmers and the current market reports.

Marketing of Kaw valley potatoes on local markets, tests to determine the mechanical method of cooling potatoes before shipment and a survey of the vegetables stored in cold-storage lockers were the subjects studied in the project for fruit and vegetable research.

Questionnaires were sent to 500 cold-storage locker patrons of five plants in eastern and central Kansas to determine the extent to which lockers were used in storing of fruits and vegetables. Only a small percentage of locker users, it was found, store fruits and vegetables. The quality of stored fruits was reported to be better than the quality of the stored vegetables but, if prepared and packaged properly, vegetables kept satisfactorily.

The potato project proper included experiments made of production, grading, washing, storing and loading of Kansas potatoes. During the past biennium, however, most of the work was directed toward a study of the factors of marketing. The study showed that the potato acreage in Kansas from 1880 to 1936 had declined gradually until today the acreage averages less than 40 percent of the 1885-1894 acreage.

During the biennium work in the study of factors governing the mar-

(Continued on last page)

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WEDNESDAY, FEBRUARY 26, 1941

HOME DEMONSTRATION AGENTS' ROLE

During World War I the Department of Home Economics of the Division of College Extension was called upon to conduct work throughout the state designed to render more efficient the use of foods and textiles. A department was organized designated as "emergency home demonstration" work under the headship of Miss Frances L. Brown, and more than 20 others were employed in that work.

July 1, 1919, the word "emergency" was dropped from the name, and the department was labeled only "home demonstration agent" work. The war had ended, but work of this character was continued. On January 1 of this year, 50 counties had home demonstration agents. The active participation of farm women in the Farm and Home week program is evidence of the effectiveness of the work of these agents.

The work was originally instituted under the auspices of city or county organizations. After a short time, the placing of home demonstration agents was made contingent upon the counties' being organized for this special purpose. Since August, 1918, the organization of an ideal farm bureau, providing membership for women as well as for men, has been required; and since July 1, 1921, a county desiring a home demonstration agent has had to provide a well-equipped office with adequate stenographic help, transportation facilities and a county appropriation of not less than \$2,400 toward the salaries and expenses of the agricultural agent and the home demonstration agent.

Women with qualities of leadership, who have had training in home economics and experience in teaching, work diligently to carry out the home demonstration agent program. The program of work is based on the interest and needs of the communities in a county. It is evolved through community and committee meetings and includes the development of activities pertaining to the farm, the home and the community.

The home demonstration agent work set up to meet the emergency of World War I may prove of even greater value in another national emergency. The emphasis on defense measures inevitably must direct increased attention to the work of the home demonstration agents. By directing and training women now to use food and clothing, cash income and all their resources more effectively, they are preparing them for critical days ahead.—F. R.

THE DEFENSE TASK OF A RURAL COUNTY

In a country stirred to the boot-soles over defense and preparedness, Aitkin county has been left to drag out a more or less humdrum existence without so much as an armor plate plant or a gun factory inside the county line. Defense work of that kind is not for an area geared, as Aitkin county is, for the peaceful pursuit of agriculture and tourist entertainment.

But there is a line of defense as vital and as necessary to the country's well-being and its future development as any gunnery range or army barracks. The protection of the children of the county against the

destructive effects of poverty and disease is quite as important to a nation at peace or at war as the production of war implements for those children to use. Without that underlying strength, no defense program can be worth the money and materials put into it.

That is the defense job that Aitkin county should set itself to do. And it has in many ways already begun its work.

Hot lunches for children who travel long, cold miles to school carrying frozen sandwiches in their tin pails are already being served in 37 schools in the county. One cent a day, and in many cases nothing at all, is giving those children the nourishment that will build strong bodies and sharp minds instead of rickets and the dullness of malnutrition.

Warm clothes made by WPA workers and distributed through the surplus commodities division are holding in check the sniffing colds, the influenza, the chronic ill health that has in the past kept Aitkin county low in the ledgers of the health examiners.

Last April a county-wide immunization program was carried on by the county nursing service, newly established in Aitkin county last year. Once every month free chest clinics seek out the early cases of tuberculosis and stamp them out before they take their hold on a family or a community. Every case of a communicable disease is followed up by the county nurse. A newly built incubator basket for free county use is ready to save the lives of even the youngest of the county's citizens, its premature babies.

In McGregor the PTA has purchased glasses for all of the needy children whose eyes needed care. In Aitkin the PTA is sponsoring and bearing part of the expense of a "morning milk" program for its school children.

This is the defense work of our county. And it is only partly done. There should be hot lunches, not in 37 schools, but in every school in the county. There should be warm clothes and good care and health for every child in every home. This is a defense project to which the whole county can set itself without the need of building a single factory or laying hands upon a gun. And its completion will be the strongest possible line of defense that Aitkin county can offer to the United States.—Editorial Opinion of the Aitkin Republican, Aitkin, Minn.

VETERINARY PROGRESS

The veterinary profession has changed unbelievably since I was a young man. Forty-five years ago we had injections, no vaccines. We prescribed castor oil and hoped for the best. Today a discovery is no sooner accepted in medicine than we take it over for our animals.

We are using sulfanilamide for hemolytic streptococcus infections in dogs and cats. We have saline and glucose injections; we have the X-ray and the fluoroscope. Few small-animal hospitals these days have less than \$10,000 invested in plant and equipment. Sometimes it runs as high as \$150,000. . . .

Doctor Lord, a young M. D., brought his Springer in. "You vets—you're all disappointed M. D.'s," he laughed.

The next time he uses a Stader splint to set a broken limb, I hope he looks it up in one of his schoolbooks. He will find that Dr. Otto Stader invented it for animals. Many discoveries made in animal medicine have been adapted for human patients.—Robert S. MacKellar, V. S., in the American Magazine.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

M. F. Ahearn, director of athletics, returned from Absecon, N. J., where he attended the annual meeting of the National Football Rules committee.

Prof. H. W. Davis, J. O. Faulkner and C. W. Matthews, all of the Department of English, went to Concordia to judge a district high school debate meet.

Miss Georgiana Smurthwaite, foods and nutrition specialist in the Division of College Extension, returned from Atwood where she had been conducting a leaders' training school.

Dr. W. E. Grimes, professor of agricultural economics, and I. N. Chapman, director of specialists in farm

SCIENCE TODAY

By B. L. SMITS

Assistant Professor, Department of Chemistry

Starch is the most important reserve carbohydrate of green plants. It is found distributed in all parts of the growing plant but its chief depots of storage are roots, tubers and seeds. It constitutes as high as 80 percent of the dry matter of white potatoes, while from 50 to 65 percent of the seeds of cereals are starch.

Because of its role as a permanent reserve food of plants it follows that starch is an important source of energy in our dietary. Under the influence of digestive enzymes it is broken down into glucose and easily digestible dextrins. The ease of digestion depends upon the temperature and time involved in cooking.

The annual production of pure starch reaches a tremendous figure. However, the major portion of this production is used in industry for the manufacture of commercial glucose, glues and paste. A small proportion, indeed, is used directly as human food in such things as gravies, puddings and also as sago and tapioca.

Inulin is a reserve food carbohydrate produced by a few plants such as the Jerusalem artichoke, many species of iris and the dahlia. It has a place in the diet of diabetics because it is made up of fructose molecules instead of glucose. Inulin does not react with iodine to give a blue color.

Physically starch appears as a fine white powder possessing a peculiar texture, which is noticed when it is rubbed between the thumb and forefinger. Starch is hygroscopic to a marked degree, an air-dried sample containing from 15 to 20 percent of water.

These two important characteristics, the fineness and uniformity of pure starch powder and its ability to take up and hold large quantities of water, are responsible for its use as an important adulterant of foods. Such foods as cocoa, spices, coffee and other materials which are used in a ground condition have been adulterated with starch or ground cereals. The water-holding ability of starch is utilized as a binder and also for the sophistication of ground meat products by the addition of excess water.

An important phase of the duties of a food analyst is not only the detection of added starch but the ability to identify its source. The addition of starch to ground meat products can easily be detected by the addition of an iodine solution to a small sample which has been boiled in water. The production of the familiar blue color of the starch-iodine

management, discussed the present agricultural situation and probable future development of agriculture for the following year at a district outlet conference at Colby.

TWENTY YEARS AGO

Edward O. Sisson, '86, was president of the State University of Montana at Missoula, Mont.

S. E. Barnes, '17, was senior member of the firm of Barnes and McCoy, architects, at Muskogee, Okla.

Earl H. Hostettler, '14, was in charge of swine experiment work for the state of North Carolina, with headquarters at West Raleigh, N. C.

Miss Mary Polson, '16, of the Department of Clothing and Textiles addressed a home economics session of Farm and Home week on "Every Woman Her Own Milliner."

THIRTY YEARS AGO

A. E. White, assistant in mathematics, was a judge of a debate at Junction City high school.

E. L. Holton, professor of rural education, spoke before the Dickinson County Teachers' association at Abilene.

W. A. Coe, '96, moved from Blackfoot, Idaho, to Boone, Colo., where he was superintendent of the Orchard Park Farming company. E. H. Webster, '96, and W. M. Jardine were stockholders in this company.

FORTY YEARS AGO

R. S. Kellogg, '96, was in the service of the Division of Forestry at Washington, D. C.

Allie Brown, student in '98, and

compound is sufficient proof of the presence of starch.

When examined under the microscope starch granules of different cereals and vegetables vary greatly as to their form, size and often as to their manner of grouping. The size may vary from 0.002 of a millimeter as found on the smallest granules of oat starch to as high as 0.07 of a millimeter in potato starch.

When starch powder is mounted in Canada Balsam and examined in polarized light it appears as a bright object against a dark field. A dark cross or interference figure radiating from a central point known as the hilum is usually seen in the body of the starch granule. The approximate degree of anisotropy or intensity of this interference figure varies with the different species of starch. Although this cross is seen in some spore-shaped crystals, they are easy to distinguish from starch.

All starches which are composed of glucose molecules react with a moderately concentrated iodine solution to give an intense blue color. However, if an extremely dilute solution is used it has been found that the different species of starch take up different amounts of iodine. If examined under the microscope, in water to which a small amount of iodine has been added, a typical starch granule such as potato starch will be seen to consist of a central point of hilum, from which organic growth is supposed to have started, and concentric rings or lamellae. The hilum may be located centrally in a round starch granule or at either or both ends of an oval granule.

When starch granules are warmed in water on a heated stage of the microscope it will be seen that the granule swells and eventually ruptures the envelope. During the swelling of the starch grain the appearance of the interference figure observed in polarized light changes and eventually disappears. The temperature at which there is an entire loss of anisotropy and the envelope ruptures is different and constant within a narrow range for each species of starch.

The research worker in examining an unknown starch to determine its origin sets up a series of starch standards whose degree of anisotropy, temperature of gelatinization and reaction with dilute iodine are determined. By consulting published tables, it is often possible to determine the species of starch directly. In cases where it is necessary to determine the actual variety of corn, for instance, the reaction of such other reagents as aniline and swelling agents is observed.

son of Prof. and Mrs. A. B. Brown, returned home from the Philippine Islands where he had been serving with the Thirty-Second United States infantry.

Friends of Robert J. Brock, '91, were circulating a petition asking Governor Stanley to appoint him as a regent of the College. Mr. Brock was a rising young lawyer and county attorney of Riley county.

R. J. Barnett, '95, resigned from his position of principal of the city schools of Manhattan to accept a similar position with the Olathe schools, made vacant by the resignation of L. N. Flint, who recently purchased an interest in the Manhattan Nationalist.

FIFTY YEARS AGO

Professors Georgeson and Hood and Mrs. Kedzie attended the farmers' institutes at Dodge City and Garden City.

The Associated Press announced the appointment of Hon. John A. Anderson, formerly President of this College, as consul-general at Cairo, Egypt.

At a recent meeting of the Horticultural society the following persons were elected to membership: Col. J. B. Anderson, the Rev. William Campbell, Lieutenant Bolton, Professor Goodnow, Mrs. J. A. Marlatt, Miss Mary Marlatt, Mrs. William Baxter, Mrs. W. J. Griffing and Mrs. J. C. VanEveren.

SIXTY YEARS AGO

Messrs. Orner and Drought, members of the joint committee appointed by the Legislature to confer with the

College faculty in regard to diseases of domestic animals, were visitors at the College.

President Fairchild and Professor Shelton went to Abilene to attend the Dickinson county farmers' institute. President Fairchild spoke on "Education on the Farm, and for Farmers," and Professor Shelton on the subjects, "Tame Grasses" and "Farm Experiments."

KANSAS POETRY

Robert Conover, Editor

CLIMBERS

By Isabelle Bryans Longfellow

I do not go your way; I know it now.
I shall not try again or wish I could.
The day you set your muscles toward
the brow
Of that wild peak from where we both
had stood,
You said, "I'll make it there by after-
noon",
And took superior strides that I should
know
How strong your limbs that would arrive
so soon
Upon the crest of glacier and snow.

You could not know that prone on this
decline
I scaled the needled wonder of the pine!

Isabelle Bryans Longfellow of Wichita is secretary-treasurer of the Kansas Poetry society and a former teacher of speech in Denver university, her alma mater. She has had verse published in many of the leading magazines and in numerous newspapers. During the last year, she added Ladies' Home Journal, Good Housekeeping, Christian Science Monitor, Columbia and America to this list.

SUNFLOWERS

By H. W. Davis

COMPLETELY A DUD

It is going to be a lot different—this spring of 1941. Instead of watching and waiting for the first robin and the first crocus and for them alone, we are to have the questionable delight of waiting, with nervous hands over eyes and ears, for the first boom-boom of all-out war and the first unpredictable, inevitable overt act that is to drag us into the maelstrom of mechanized murder.

But even that is not all. The jitterbug madness of nations is going to make it a record spring for young Danny Cupid; and marriage-license clerks might as well get their fountain pens filled and their smirky smiles in order. For Danny has a cunning way of capitalizing anxieties and physical irritations of any sort—all the way from falling hair to fallen arches—and using them to his own ends. Come spring, and Cupid can convert any mental or physical malady into an affair of the heart that will pop your eyes out if you happen to be looking at anything but the top of the sky.

Whatever angle you snap the picture from, it looks to be the lovey-doviest, tootsy-wootsiest spring this old battle-scarred world has ever wobbled into.

Think as wishfully as you may, you cannot conjure up a reasonable hope that you or anybody but Hitler can stop the madness of nations. So that's out. Maybe, however, you might jerk an idea from that think-tank under your hat that will give boys and girls of all ages pause against rushing to altars merely because they don't know where or what they will be by the time another June rolls round.

I never could understand women; and why they think they can help much by marrying Johnnie just before he goes marching off to camp, and maybe Istanbul, doesn't clear up my confusion one bit. All I know is that marriage is just what they will commit unless somebody or somebody else thinks up a scheme to persuade them that the sporting thing is to let Johnnie go off and get his year's training footloose and doghouse free. He's too easy a mark before he learns anything at all about warfare.

Usually I can think of something that half-way sounds as if it might work, but this time I am completely a dud and must depend on you. I sometimes fear I've over-saved the nation as it is.

A blitzkrieg of rapid-fire love and marriage might be as bad for us as an air-raid from Berlin, Iceland or Brazil; and it's a lot more imminent.

Please think of something!

AMONG THE ALUMNI

The Manhattan Chronicle recently reported:

"Today it is almost as difficult to buy a copy of the little booklet, 'Wild-flowers in Kansas,' as it was three years ago to borrow a copy of 'Gone with the Wind' from your public library. The rapid sale of the booklet is partially due to the accurate illustrations drawn for it by Bertha (Kimball) Dickens, '90, M. S. '95, 1230 Fremont. . . .

"She finds pleasure in painting still-life subjects for her children or just for fun. . . .

"During the more than 40 years since her marriage to the late Kansas State College horticulturist, Albert Dickens, '93, she has drawn illustrations for textbooks written by Kansas State professors; for two botanical keys published by the Kansas State Board of Agriculture, and for 'pamphlets innumerable,' all of which require artistry plus scientific precision—not a usual combination of abilities. Two of her four children are journalists, and she has sold articles to magazines of national circulation—Country Life among them. Her only daughter, Elizabeth (I. J. '22), now Mrs. Edward Shaffer of Albuquerque, N. M., is a regular contributor to Household magazine and does much free-lance writing for other periodicals. Mr. Shaffer (f. s. '21), also a Household contributor, is the editor of the Albuquerque Tribune."

W. A. Coe, '96, recently moved from Fayetteville and Springdale, Ark., to 702 West Park street, Yates Center, Kan.

Mary Alberta (Dille) Hulett, B. S. '00, lives at 620 North Rodeo drive, Beverly Hills, Calif.

William D. Davis, E. E. '04, electrical engineer for the Interstate Commerce commission, has been moved from his offices in the New Post-office building in Chicago to the United States Court house there.

Horace E. Bixby, E. E. '08, and Hallie (Smith) Bixby, '08, are at 3552 Southwest Evans, Multnomah, Ore. Mr. Bixby is principal electrical engineer for the United States Department of the Interior, Bonneville Power administration.

Gladys (Payne) Lee, 2117 Fair Park avenue, Eagle Rock, Calif., is now teaching in the Thomas Edison junior high school.

"I have a nephew who will graduate from Montebello (Calif.) high school in June and I should very much like to have him come back to Kansas State for his college work," she writes. "I notice that our graduates now in California all hold fine jobs—due I think to the practical courses given at Kansas State."

"I graduated from Kansas State in 1913 Home Economics course and have held fine positions ever since. I see Elmer Schultz and Elmer Kittell, '12, out here every once in awhile. Just recently Emmett Bacon, '20, has come here as federal meat inspector."

Helen (Hornaday) Chappell, H. E. '14, who has been lost on the College Alumni association records since 1929, has been found to be at the Haven Hill apartments, Jefferson at Forty-Seventh, Kansas City, Mo. She was married in 1925 to Edgar E. Chappell.

Eva Lawson, H. E. '16, is personnel director with the Ohio Farm bureau, Columbus, Ohio. She is active in women's organizations, with approximately 670 employees under her direction.

Marie (Hammerly) Bayer, H. E. '20, and her husband, Fred H. Bayer, are at 2329 South Rose street, Kalamazoo, Mich. Mr. Bayer is manager of the Kalamazoo News Advertiser.

Charles A. Thresher, B. S. '22, and Josephine (Treadway) Thresher, f. s. '22, are at 810 South Washington street, Wellington. They have four children—Carol, 16; Grace, 15; Ruth, 6, and Charles W., 2. Mr. Thresher is with the Soil Conservation service.

Joe E. Thackrey, G. S. '23, 157 Morris avenue, Athens, Ohio, writes: "I'm assistant professor of school music here. We have 17 on the music faculty. I'm in my seventh year. I married Betty Boright, Pi Beta Phi graduated from Vermont university,

in 1934. We have one son, John, 4, and expect his brother in April.

"I have two choirs here, the first Methodist and one at the State hospital here. December 1 was the fall orchestra concert and the fifth was the 'Bumble Bee Prince' opera."

Lucille (Anderson) Sweedlun, '23, is now at 202 South Seventeenth, Manhattan. Her husband, Verne Sweedlun, has been appointed to teach in the Department of History and Government, succeeding the late E. V. James.

Harry B. Skinner, f. s. '24, is a salesman and is located at 303 G, Northeast, Miami, Okla. His wife is Mary (Augsburger) Skinner.

Homer L. Sumners, Ag. '25, has moved to 692 Garden street, Maywood, N. J., from Fairlawn, N. J., where he was assistant production manager of Borden Ice Cream company.

Irwin K. McWilliams, M. E. '26, is senior aeronautical inspector, Civil Aeronautics authority, Anchorage, Alaska.

Nancy (Mustoe) Cables, H. E. '27, was married to Berlie Cables on January 4, 1938. Up to that time she taught home economics in the Norton junior high. Now her address is 702 North First, Norton. Mr. Cables is a salesman.

Myron W. Reed, G. S. '27, is now in Topeka on Civilian Conservation corps duty. He has been the last few months with the Kansas State Employment service as a junior interviewer at Ellsworth and Salina. He and Mrs. Reed (Carolyn Vance, '28) are now at 2435 Ohio avenue, Topeka.

Vera F. Howard, H. E. '28, accepted a position in November with the Welfare and Recreational association as food supervisor in the Internal Revenue cafeteria in Washington, D. C. Her address until further notice is 5401 Allan road, Friendship station, Washington, D. C.

William N. Moreland, G. S. '28, visited the College Alumni office in October. He is still junior meteorologist with the weather bureau office, Albany, N. Y.

Noel G. Artman, E. E. '29, and Mrs. Artman of 7515 Cornell avenue, Chicago, have a daughter, Lynn Meredith, 3 months old. Mr. Artman is a patent lawyer in Chicago.

Francis S. Coyle, Ag. '30, 615 Second avenue, North, Great Falls, Mont., writes to thank the College Alumni office for the history of the College by Doctor Willard. He said he likes THE INDUSTRIALIST "from the College news on the front page to Doctor Grimes' brief discussions of current economic problems on the back."

Paul A. Davis, G. S. '36, is Methodist minister at Meriden. Last year he attended the Garrett Theological seminary.

Ival J. Ramsbottom, Ag. '36, is a landscape architect. He owns the Ramsbottom Landscape company, 5404 Preston road, Dallas, Texas. His residence address is 4417 Potomac, Dallas.

Mildred Louise Ewing, '37, is dietitian of Howard Payne and McMurry hall at Fayette, Mo. She lives at Howard Payne hall.

Loren W. McDaniel, C. E. '38, and Ina E. (Honeycutt) McDaniel, f. s. '38, are at Minneola. Mr. McDaniel is a civil engineer there.

Rhoda S. Putzig, H. E. '39, is instructor in clothing and textiles at the University of Alaska, Fairbanks, Alaska. Last year she was graduate assistant in the Department of Art at Kansas State College. She is working on her master's degree here.

A list of the 1940 class of chemical engineers has recently been published showing the location of the following:

Earl Amthauer, 622 Sergeant avenue, Joplin, Mo., is with the Eagle-Pitcher Lead company there.

Vernon G. Boger, 678 May street, Akron, Ohio, is employed by the Goodrich Tire and Rubber company.

David W. Brower works for E. I. du Pont de Nemours and company, Inc., Wilmington, Del. He is in the explosives division.

Donald S. Brown is working on a Cities Service Training course, Cities Service Oil company, Bartlesville, Okla.

Kenneth W. Conwell, 7033 Tulane, University City, Mo., works for the Monsanto Chemical company, St. Louis, Mo.

LOOKING AROUND

KINNEY L. FORD

Student Union-Dormitory Bill

The State House of Representatives yesterday afternoon recommended for passage the proposal which would enable Kansas State College to build a Student union and a girls' dormitory, amortizing the costs by activity fees and rent.

A companion bill in the Senate had been debated and then was referred to the committee, pending House consideration.

Introduced by I. M. Platt of Geary county, the House bill would permit any of the five Kansas state schools to form non-profit corporations of faculty members, students and alumni to erect a Student union and sell bonds to pay the costs. These would be retired by a general activity fee of not more than \$5 a semester. These fees would be assessed against the student body.

Construction of student dormitories would be authorized, the costs being met by rent and board payments of the students living in the dormitory.

A limitation of \$300,000 a building and an outstanding indebtedness for only two buildings at any one institution were placed in the bill.

Representative Platt said that there was an "exceedingly great need" for the two buildings—a Student union and a girls' dormitory—at Manhattan.

Pennsylvania Alumni Dinner

Mrs. James W. York of Irwin, Pa., sent in the following report of the Kansas day dinner January 29 at the YWCA in Wilkesburg, Pa.:

"Immediately following the dinner, a business meeting was held and the following officers elected: President, Ralph D. Walker, '27; vice-president, James W. York, '36; secretary-treasurer, Mrs. Earl H. Myers.

"The remainder of the evening was spent in games and contests. Walter D. Hemker showed a moving picture entitled, 'The Middleton Family at the World's Fair.'

"Those attending included: Dudley Atkins Jr., '13, and Josephine (Skinner) Atkins, '13; F. W. Beichley, '37; Howard E. Bumstead, '40; Nathan G. Chilcott, '25, and Mrs. Chilcott; G. Merle Crawford, '25, and Mrs. Crawford; H. A. Heimerich, '40; Walter D. Hemker, '25, and Mrs. Hemker; Charles H. Mehaffey, '29, and Mrs. Mehaffey; Hurd T. Morris, '10, and Mrs. Morris; Earl H. Myers, '37, and Mrs. Myers; William A. Nelson, '29, and Margaret (Adams) Nelson, '27; James Phinney, '40, and Velma (Peterson) Phinney, '37; Owen G. Rogers, '29, and Grace (Daugherty) Rogers, '29; B. A. Rose, '26, and Mrs. Rose; H. A. Rose, '24, and Mrs. Rose; Earl L. Sitz, M. S. '32, and Mrs. Sitz; Ralph D. Walker, '27, and Mrs. Walker; Earl D. Ward, '26, and Mrs. Ward; Sydney F. Weybrew, '32, and Mrs. Weybrew; T. L. Weybrew, '24, and Mrs. Weybrew, and James W. York, '36, and Mrs. York."

MARRIAGES

YORK—CLELAND

The marriage of Maude Elizabeth York, Manhattan, and C. Eugene Cleland, Ag. '40, took place December 22. They took a short wedding trip and are now at home in Quinter.

NORELIUS—WALTZ

Betsy Norelius, H. E. '37, and Frederick Waltz, a senior in medical college at Columbus, Ohio, were married December 22. Mrs. Waltz is dietitian at the St. Francis hospital, Columbus. Their home is at 75 West Eighth avenue in Columbus.

SCHROEDER—GROTE

The marriage of Alva E. Schroeder, f. s. '40, to Hilbert A. Grote, Ag. '39, took place December 22. The couple is living in the Clayton apartments at Pittsburg, Kan. Mr. Grote is a field representative of the American Agricultural Chemical company, Stockyards Station, Ill.

CARLISLE—ADAMS

The marriage of Eena Carlisle, H. E. '39, and Larry Adams, E. E. '40, was December 14. For the past 1 1/2 years, Miss Carlisle has taught home economics in the Leonardville Rural high school. Mr. Adams is in the engineering department, Coleman Lamp company, Wichita. Their home in

Wichita is at 512 East Central avenue.

REPP—SMITH

Julia Ann Repp, f. s., and O. Roland Smith, E. E. '39, were married December 26. Mrs. Smith, a member of Beta Sigma Phi, and Mr. Smith, member of Kappa Eta Kappa, are at home at 219 South Ninth street, Duncan, Okla., where he is an engineer for the Halliburton Oil and Cement company.

CURRY—KLINGE

Esther Ruth Curry and Norbert I. Klinge, E. E. '32, both of Topeka, were married January 5. Mr. and Mrs. Klinge are both employed by the Southwestern Bell Telephone company and will make their home in Topeka. While in College, Mr. Klinge was a member of Sigma Tau, honorary engineering fraternity, and Phi Kappa Phi, honorary scholastic fraternity.

LAWSON—SHAFFER

Jean (Lawson) Shaffer writes, "I am writing you to notify a change of address—also a change of name. Before my marriage on December 28, 1940, I was Jean Marty Lawson. '39—I married Hillard W. Shaffer, '39. I would like my subscription to THE INDUSTRIALIST sent to us here at Joliet—410 Buell avenue. My husband is in the army and is working for the Kankakee Ordnance works."

COOPER—LARSON

Laura Mae Cooper became the bride of Warren G. Larson, f. s. '33, December 29, at the home of Dr. Burris Jenkins in Kansas City. The bride taught in the Woodrow Wilson school in Manhattan the past five years. Mr. Larson is employed by the Stevenson Clothing company, with which he has been associated the past four years. They are now in their new home on College Hill in Manhattan.

SANDBERG—TEICHGRAEBER

Rosanna Sandberg, f. s. '37, and Robert Teichgraeber, f. s. '39, were married January 4. The couple will live in McPherson, where the groom is associated with his father in the K. B. R. Milling company there. Mrs. Teichgraeber, a member of Delta Delta Delta sorority, has for the past year been secretary to C. O. Heinley, transportation commissioner of the Hutchinson Chamber of Commerce. Mr. Teichgraeber is a member of Sigma Alpha Epsilon fraternity.

BIRTHS

The tiny calling card of Melinda Elizabeth, attached to the larger one of her parents—Glenn Allen Aikins, Ag. '24, M. S. '31, and Marjorie (Taylor) Aikins—announced her birth on November 21. Mr. Aikins, formerly connected with the Department of Bacteriology at Kansas State College, is now working with Armour and company, Kansas City, Mo. The Aikins' address is 3611 Wyoming street, Kansas City.

George Montgomery, Ag. '25, M. S. '27, associate professor of economics and sociology, and Mrs. Montgomery have named their baby boy, born January 1, George Howard, in honor of the father and a brother of Mrs. Montgomery.

To Maurice "Red" Elder, P. E. '37, and Rosethel (Grimes) Elder, H. E. '38, a son, Charles Lawrence, born January 19. Mrs. Elder is a daughter of Dr. and Mrs. W. E. Grimes, Manhattan. Mr. Elder, son of Mrs. C. H. Elder, Manhattan, is a former Kansas State College athlete. Doctor Grimes is head of the Department of Economics and Sociology.

DEATHS

MILNER

Bessie (Thompson) Milner, the wife of Paul C. Milner, B. S. '91, died February 7 after an illness of some weeks. Mrs. Milner, a graduate of Iowa State Teachers' college, is survived by her husband, retired assistant cashier of the Continental Illinois National Bank and Trust company, and by two sons. Their home has been in Mt. Dora, Fla., for the past several years.

Vice-President Talks in Abilene

Dr. S. A. Nock, College vice-president, spoke on the use of words at the Library Forum program in Abilene Monday night.

RECENT HAPPENINGS ON THE HILL

Miss Alpha Latzke, head of the Department of Clothing and Textiles, broke her leg Saturday when she fell in the kitchen of her home.

Plans for Varsity fair, all-College carnival, are being made by Sigma Delta Chi, professional journalism fraternity. Present plans are to have the fair in the west wing of Memorial Stadium on April 26.

Approximately 100 students attending the first lecture of the YWCA-YMCA love and marriage series on the campus last week heard the Rev. B. A. Rogers attack society's attitudes toward social relationships between boys and girls.

The ability of students to meet emergencies was discussed last week by Dr. Howard T. Hill, head of the Department of Public Speaking, at the annual Chamber of Commerce dinner entertaining the teachers of the Abilene school system.

John M. Parker, Manhattan, who completed his requirements for a degree in general science last semester, is co-author of an article, "Ecological Relationships of Playa Lakes in the Southern Great Plains," in the February issue of the Journal of the American Society of Agronomy.

A robot with a mechanical voice, called "Pedro the Voder," will appear on the campus Thursday. Dr. J. C. Perrine, assistant vice-president of the American Telephone and Telegraph, New York City, will use the robot in his discussion of "The Artificial Creation of Speech" tomorrow night in the College Auditorium.

Debaters and oratorical and extemporaneous speakers from Kansas State College will enter the Missouri Valley Forensic tournament at the University of Kansas March 27 to 29. This is the first time that debaters from Kansas State College have entered the contest. In previous years, several students from the College have won in other classes.

All of last semester's students who graduated in vocational agriculture have obtained positions as teachers in Kansas high schools. They include Edward Zahn, Miltonvale, who teaches at Hill City high school; Kenneth Sherrill, Brownell, now a teacher at Neodesha; Kent Patton, Chase, a vocational agriculture teacher at Mulvane; Winzer Petr, Waterville, who has been appointed to a position at Powhattan, and Raymond Stewart, Manhattan, teaching in Centralia high school.

MRS. CLARA GEBHART SNYDER TO TALK ON ENRICHED FLOUR

Spencer Will Discuss Diet and National Defense This Afternoon

Mrs. Clara Gebhart Snyder, director of the Wheat Flour institute, Chicago, will speak on "Enriched Flour and Its Part in the National Nutritional Program" at 4 p. m. today in Calvin hall, room 101.

Highly refined cereal products lack many of the food nutrients, particularly certain vitamins, which are found in whole grain, and the substitution of white flour for whole wheat and other grains in the American diet has been a matter of much concern to nutritionists. Enriched flour will contain added substances which will supplement its value to the human body. According to Mrs. Snyder, the National Research council feels it will play an important part in the national nutritional program.

Mrs. Snyder talked on the program of Farm and Home week, and has several times lectured to home economics classes. The Wheat Flour institute which she represents is an educational division of the Millers' National federation.

Yeo Leading Contender

Leo Yeo, Manhattan, a lanky Kansas State junior, has established himself as a leading contender for first-place honors in the dashes at the Big Six conference swimming meet at Lincoln February 28 and March 1. His best time in the 50-yard dash is 24.2 seconds. The Big Six record is 24.1. He has covered the 100-yard distance in 56 seconds as compared with the conference mark of 54.9.

CONTEST WILL SPONSOR PASTURE IMPROVEMENT

COLLEGE EXTENSION SERVICE AND
OTHERS COOPERATE

**Innovation This Year Includes Divisions
for Diversified Uses by Small
Farmers and Another
for Ranches**

Pasture improvement contests in which farmers throughout Kansas will have an opportunity to participate will be conducted in 1941 by the College Extension service in cooperation with the Kansas City, Mo., Chamber of Commerce; the Kansas Farmer, Topeka, and other agencies.

E. A. Cleavinger, extension agronomist, said the eastern Kansas contest will include Washington, Clay, Dickinson, Marion, Butler, Cowley and all counties east of this line.

INNOVATION THIS YEAR

An innovation this year is that the contest will be conducted in two divisions, one for diversified pastures including tame grasses and supplemental pasture crops, the other for larger ranches dependent principally on native grasses. Entries must be filed with county agricultural agents before May 1.

Cash prizes totaling \$320 will be awarded the winners by the Kansas City, Mo., Chamber of Commerce. A gold medal will be given the first-place winner in each division. Judging will be based upon pasture management, improvement in condition of pasture and pasturage secured during the year.

Mr. Cleavinger said the contest for central and western Kansas likewise will be in two divisions, one for diversified pasture and one for range. Entries must be submitted by April 15.

Judging will be based on the following points: (1) Maintenance and improvement of permanent pastures by practices such as deferred grazing and rotation grazing; (2) use of temporary pastures as a supplement to permanent grass or in a year-around program of temporary pasture crops; (3) carrying capacity of pastures used; (4) dependability; (5) quality of pasture; (6) cultural practices used in producing temporary pastures; (7) soil-holding or soil-improving value; (8) production and use of feed other than pasture; (9) general practices such as reseeding to native pasture, fencing, providing water, contour furrowing, cactus eradication and mowing.

PRIZES OF \$200

Two hundred dollars in cash prizes for winners in the central and western Kansas contest will be provided by the Kansas Farmer, and all participants will be the guests of that magazine at steak feeds in different districts of the contest area.

County agents have been provided with official entry blanks for the contests, Mr. Cleavinger said.

AGRICULTURAL RESEARCH

(Continued from page one)

ketting of dairy products in the state was concerned chiefly with (1) investigating butter storage in community cold-storage lockers; (2) collection of data showing production and value of dairy products by Kansas counties for the period of 1926 to 1938, and (3) maintaining Kansas price series on butterfat, used principally in preparation of periodic market reports and forecasts concerning marketing of dairy products.

The poultry project during the past two-year period was concerned chiefly with marketing. A survey of Kansas cooperatives handling poultry and eggs was made in cooperation with the Farm Credit administration of Washington, D. C., and included 28 associations. The survey showed that poultry and eggs accounted for only a small part of the total business of the associations and that the associations lacked facilities for handling poultry and eggs. Three of the 22 associations handling eggs operated on a graded basis, the study showed. Only three of the associations had refrigeration facilities.

Swimmers Defeat K. U.

The Kansas State College swimming team continued its victory march by capturing eight first places out of nine events Monday to defeat the University of Kansas at Lawrence, 60 to 22. On Saturday Coach C. S. Moll's squad defeated the University of Oklahoma squad at Norman, 55 to 28.

OSCULOMETER WILL MEASURE "POWER" OF KISS AT EXHIBIT DURING ENGINEERS' OPEN HOUSE

Among the novelty exhibits at the Engineers' Open House, March 14 and 15, will be the osculometer to measure the intensity or "power" of a kiss.

Any couple in the crowd may enter the booth and those on the outside may watch a large dial for the results.

The apparatus consists of a curtained booth with the large dial above it, electric wires to be fastened to those being tested and a set of dials located on the side of the booth where the engineer operates the osculometer.

Although this is a new idea here, Robert Washburn, publicity director

of Open House, reports that it has been used at other schools. Kansas State College has had lie detectors, personality thermometers for girls and other similar devices, but this is expected to be the most successful of all, Washburn said.

However, other colleges have used the osculometer in connection with their annual dance, the director explained, but they say that their experience proves the device receives "increased popularity as the evening progresses, until the rush in the late hours is almost too great to handle." The osculometer is part of the exhibit of the Department of Electrical Engineering.

NEW TURKEY BREEDING HOUSE FINISHED FOR POULTRY FARM

Four Pens, Accommodating 72 Birds,
Have Artificial Lights and
Running Water

A turkey breeding and brooding house, 20 by 70 feet in size, was completed recently at the College poultry farm. The open front house is of wood construction and the roof is covered with channel drain galvanized iron. Straw was used for insulation over the breeding pens and rock wool over the brooding pens. The outside was painted with aluminum and the inside with white texolite paint.

The four pens for breeding stock are each 10 by 20 feet in size and altogether will accommodate 72 birds. Each pen is equipped with artificial lights, trapnests and running water. No outside runs are available at present, but they will be added later.

In addition to serving as pens for breeding stock they are used for certain nutrition studies calculated to show the effects of different ingredients on the hatchability of eggs.

The brooding compartment which is separated from the breeding pens with a solid partition is divided into five pens 8 by 10 feet in size providing in addition a work room of equal size. These five rooms are equipped with electric brooders, artificial lights and running water and will accommodate 500 poults to eight weeks of age.

This house provides the long-needed equipment for turkeys at the poultry farm. It will be used for the progeny testing of breeding stock and nutrition studies with a strain of Broad Breasted Bronze turkeys kept at the College. Approximately 500 poults are reared each year.

Two Professors Are Authors

An article on water conservation on the Great Plains by Prof. F. C. Fenton of the Department of Agricultural Engineering and one on the use of power alcohol in tractors and farm engines by E. L. Barger, associate professor in the same department, were printed in the February issue of the Agricultural Engineering magazine published by the American Society of Agricultural Engineers.

4-H Profit of \$480,284

That 4-H club members in Kansas in 1940 carried 41,071 projects and realized a profit of \$480,284 on these projects, M. H. Coe, state club leader, announced recently.

Haylett Picks Nebraska

Coach Ward Haylett is known for his ability to forecast track and field meets. He says the Big Six conference indoor meet to be held in Kansas City this week-end will be strictly a two-team affair, with Nebraska's all-around power edging out Missouri for first place. Oklahoma, Iowa State, Kansas State and Kansas will all be fighting for third, he predicts.

4-H LEADERSHIP CONFERENCE TO BE HELD IN HUTCHINSON

Four College Extension Service Workers Will Talk to Approximately 400 Adults

The sixth annual adult 4-H club leaders' conference will be held in the 4-H club building at the Hutchinson State fair park April 21 to 23, M. H. Coe, state club leader, announced this week.

At least 400 local community and project leaders are expected to attend. Talks, discussions, demonstrations and exhibits have been arranged for the program. Leaders having served 10 years or longer will be given special recognition at the banquet.

Guest speakers this year include four members of the College Extension service, Kansas State College. They are Miss Mary Fletcher, foods and nutrition specialist; Miss Mae Farris, home furnishings specialist; C. G. Elling, animal husbandry specialist, and E. A. Cleavinger, crop specialist.

"These conferences are especially designed to give adult leaders special training in organization and methods of teaching as well as to provide these leaders with specific information about the various projects being carried on in 4-H club work," Mr. Coe said.

Patterson to Officiate

B. R. Patterson, wrestling coach, has been selected to officiate in the state high school wrestling tournament at Wichita February 28 to March 1. He will also show movies of the national collegiate mat tourney during the event.

Works for FSA

Charles Streeter, who graduated last semester in agricultural administration, has a position with the Farm Security administration. He is located at Mound City as an assistant rural rehabilitation supervisor.

Heavy Sports Program

Sports events fill Kansas State College's February calendar. The basketball, swimming, wrestling and indoor track teams participate in 22 meets this month. When February ends, K-State athletes will have engaged in 60 contests since school began in September.

WILDCAT WRESTLER EARNS BEST INDIVIDUAL RECORD

Leland Porter, Dellvale, Undefeated in 13 Matches, Will Compete Here in Big Six Tournament

Leland Porter, a dark-haired lad from Dellvale, will carry the best individual record into the Big Six conference wrestling tournament to be held here March 7 and 8.

The Wildcat 155-pounder is undefeated in 13 matches this season and has earned 49 points for his team in duals against some of the top teams in the nation. He has won five bouts by falls and eight by decisions.

Second in point-making for Kansas State College, defending Big Six champion, is Glenn Duncan, captain, who has a total of 39 points. Duncan has won four matches by falls and five by decisions. He has lost two decisions and wrestled to a draw twice.

Coach B. R. Patterson has announced the following individual records of Kansas State grapplers:

	W	L	D	TP
Leland Porter, 155 lbs.	13	0	0	49
Glenn Duncan, 145 lbs.	9	2	2	39
John Hancock, Hwywt.	5	3	0	16
Robert Dunlap, 128 lbs.	3	8	1	13
Jim Vavroch, 136 lbs.	3	7	0	11
Jerry Porter, 145 lbs.	3	5	0	11
Clifford Case, 121 lbs.	3	10	0	9
Warren Boring, 165 lbs.	2	3	0	6

Key: W, won; L, lost; D, draw; TP, total points.

EXTENSION PUBLICATION

(Continued from page one)

wheat, 400,000,000 bushels of corn, 100,000,000 bushels of barley, 500,000,000 pounds of lard, 350,000,000 pounds of pork and 250,000,000 pounds of other edible fats," said the bulletin in contrasting the present agricultural situation with that during the war of 1914-18.

"If the war continues, foreign countries cannot trade with us as they did in the last war. If the war ends, there is still no medium of exchange. Our neighbors to the south and north produce the same commodities produced here, and economic domination of those countries by unfriendly foreign powers is considered as damaging to our way of life as military invasion.

"The domestic situation is brighter for the immediate future. The employment of 4,000,000 additional men in the army and in industry will cause an increased demand for meat, for dairy and poultry products and for fruits and vegetables by the end of 1941. Large increases in prices of these products on the farm will be retarded by large supplies now on hand and by production shifts to these commodities in areas producing surplus commodities."

Answering those critics who believe that Kansas agriculture should be drastically curtailed, the publication's authors write, "No farmer needs to leave Kansas who is willing to take his living from the soil."

The bulletin claimed that the first line of defense begins in the home where families realize that health is nature's greatest asset. A successful defense program also requires healthy, happy people, it was said, adding that people work best and think most sanely when their stomachs are full of nutritious food.

The Extension service's farm machinery project has helped "to establish a vast reservoir of mechanically trained young men and through mechanization is providing a means for producing vast supplies of food that are an essential detail of national defense," the bulletin said.

Inspects Naval Aircraft

Prof. R. G. Kloeffer, head of the Department of Electrical Engineering, recently received a letter from Otto A. Hauck, E. E. '40. Mr. Hauck is an inspector of naval aircraft on Long Island, N. Y. He writes that one of the new types of planes which he helps to inspect has folding wings and is to be used on airplane carriers to increase the plane-carrying capacity of the ships. Mr. Hauck added that he sees Jack Jenkins, William Gordon, Francis Woestemeyer and Robert Lake occasionally. All four were graduated in electrical engineering in 1940 and are located at Philadelphia.

WILDCAT CAGERS LOSE TO KANSAS, 45 TO 50

BASKETBALL SQUAD IS DEFEATED
IN OVERTIME PERIOD

Second-Half Rally Ties Score at 41-all,
but Jayhawks Pile Up Enough
Points to Win
Contest

After a last-half rally in which it overcame a seven point half-time lead to tie the score, the Kansas State Wildcat basketball team lost to the University of Kansas at Lawrence Tuesday evening in the overtime period, 45-50.

The Wildcats started the scoring early in the game and ran up a three-point lead before the Jayhawkers got started, then the K. U. team found the basket and took the lead, obtaining an advantage of 21-14 at the half.

LANGVARDT, BEAUMONT STAR
In the first few minutes of the second half, the Wildcats, sparked by Chris Langvardt, Alta Vista, and Larry Beaumont, El Dorado, evened the score at 26-all. From that point on the lead changed nearly every minute.

Late in the game, the score was again tied at 39-all when Dan Howe, Wildcat forward from Stockdale, scored from far out on the court. A few seconds later, a pass from Allen to Engleman beneath the Jayhawk basket resulted in another score for Kansas, and the regular playing time ended with the score 41-41.

WILL PLAY IOWA STATE

In the overtime period, the Jayhawks made a total of nine points while the Wildcats scored two baskets. Bobby Allen started the scoring in the extra time when he made good on one out of two charity tosses. A little later, Engleman made a basket, followed by two more from Vance Hall and John Kline of Kansas.

The last basket of the game was made by Jack Horacek, Wildcat forward from Topeka, who pushed the Kansas State score up to 45 with a half minute to play.

Saturday night, the Wildcats will meet Iowa State college at Ames in their last game of the season. A few weeks ago, the Cyclones, now in third place in the Big Six, downed the Kansas State team 50-41 in Nichols Gymnasium at Manhattan.

TOPEKA CAPITAL WRITER TO ADDRESS JOURNALISTS

Milton Tabor Will Discuss Issues Before
State Legislature as Well
as Editorial Writing

Milton Tabor, editorial and political writer for the Topeka Daily Capital, Topeka, will discuss current issues before the Kansas State Legislature at 4 p. m. tomorrow in Kedzie hall as guest speaker for the industrial journalism lecture.

Problems of the newspaper in covering and interpreting this legislative news will be analyzed by Mr. Tabor, who is considered one of the best-informed political writers in Kansas.

Journalism students in the editorial practice class will meet with him for a roundtable discussion on editorial writing tomorrow morning.

Mr. Tabor has written political articles for many Eastern newspapers, including the New York Times. He is the Kansas correspondent for the United States News. Since the death of E. E. Kelley, he also has conducted the column, "Grass Roots," in the Capital.

HAROLD HOWE WILL ATTEND LAND-TENURE CONFERENCE

Sessions to Be Held on February 28
and March 1 in St. Louis

Dr. Harold Howe, professor in the Department of Economics and Sociology, will be in St. Louis February 28 and March 1 attending a land-tenure conference.

Professor Howe is the representative for Kansas on the Northcentral Regional Land-Tenure committee. This committee was appointed recently by the Land-Grant College association so that land-tenure research work throughout the Northcentral states might be better coordinated and might have an official recognition of this coordination by the Land-Grant College association.

Douglas F. Schepmoes, junior agricultural economist of the United States Bureau of Agricultural Economics, also will attend the St. Louis meeting. Mr. Schepmoes has been stationed at the College since last October.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Demand is meaningless unless associated with price."

The term "demand" is frequently used by many but precisely defined by few people. Demand is meaningless unless associated with price. The fact that people demand a certain quantity of a good at one price does not indicate the quantities that they would demand at a higher or a lower price. In general, and with most commodities and services, more will be purchased at a lower price and less at a higher price.

The homemaker at a store illustrates this characteristic of demand. If she wishes oranges and is willing to buy them at some price, her wishes are a part of the demand for oranges. However, before deciding upon the number to be purchased, she inquires about the price. If the price is lower than she expected she may take a larger number; if it is higher, she may reduce the number or take none.

Her demand is not just one quantity but a whole series of quantities depending upon the price. So it is in practically every market. The quantity demanded varies inversely with the price.

Too frequently the term "demand" is used as though the quantity demanded were fixed without reference to price. National legislation has, at times in the past, been proposed which assumed that demand is for a fixed quantity. Such reasoning is certain to lead to difficulty. The behavior of people comes once again to remind us of the error in such reasoning. The lower the price, the more they will buy; and the higher the price, the less they will buy. Their willingness to buy differing quantities at all possible prices constitutes demand.

THE KANSAS INDUSTRIALIST

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Number 21

ENGINEERING STUDENTS ARE ON GOOD-WILL TOUR

OPEN HOUSE EXHIBITS ARE DIS- PLAYED IN KANSAS TOWNS

**Trio Visits McPherson, Salina, Hutchin-
son, Wichita, Emporia, Kansas City,
Topeka Schools and Radio
Stations**

Three engineering students are on a good-will tour of Kansas high schools and radio stations this week.

John Shaver, Salina, senior in architectural engineering, and Phil Myers and B. R. Chapin, juniors in mechanical engineering, are on a five-day trip with an array of representative exhibits of the Engineers' Open House here March 14 and 15.

SHOW SAMPLE EXHIBITS

Among the exhibits included in the demonstrations is a stroboscope, a new development for making extremely slow motion pictures and apparatus for apparently stopping a moving object.

Other exhibits include a colored ball selector that will divide three colors of ping-pong balls into their correct group and an ultra-violet light machine which casts a black light. Black light causes objects to be luminous in the dark.

The demonstrations include electrical equipment, chemical displays, airplane models and possibly the new Garand rifle used by the army. The central theme of this year's annual Open House will be national defense.

VISIT WICHITA TODAY

The good-will troupe visited the McPherson and Salina high schools and radio station KSAL on Monday, Hutchinson and Wichita North high schools and radio stations KWBG and KFH on Tuesday. Wichita East high school and radio stations KFBI, KANS and KTSW and Emporia State Teachers' college are on their schedule for today.

The students will return on Friday after visiting Topeka high school and Wyandotte high school in Kansas City on Thursday and Friday, as well as radio stations KCKN, WDAF and WIBW.

WILL BROADCAST DANCE

Climaxing the Engineers' Open House will be the St. Pat's prom on the 15th. Arrangements are being made for broadcasting the dance, at which St. Pat and St. Patricia will be presented over the Kansas network, which includes stations KSAL, Salina; KFBI, Wichita; KVGB, Great Bend, and KTSW, Emporia. WHB, Kansas City, will make a recording of the program and will at a later date play it back.

The Steel Ring trophy will be presented at the prom. Since 1937 Steel Ring, honorary society for students in the Division of Engineering and Architecture, has awarded a trophy to the department having the best exhibit. The Department of Architecture has received the award the past two years.

STRATTON AND PELTON GIVE RECITAL SUNDAY AFTERNOON

Faculty Members Present Program of Music for Organ and Piano

Charles Stratton and Marion Pelton, faculty members of the Department of Music at the College, played at a piano and organ recital Sunday afternoon in the College Auditorium.

The program of music for organ and piano included: "Symphonic Piece," by Joseph W. Clokey; "Variations on Two Themes," Op. 35, by Marcel Dupre; "Introduction and Allegro Appassionato," Op. 92, for piano and orchestra, by Robert Schumann.

About 200 persons enthusiastically received the numbers.

Will Talk at Blytheville

Dean Margaret M. Justin of the Division of Home Economics at the College will be one of the two principal speakers at the annual state convention of the Arkansas American Association of University Women in Blytheville, Ark., March 29.

Livestock Team Leaves

The livestock judging team chosen by Coach F. W. Bell of the Department of Animal Husbandry left Tuesday to compete in the Southwest exposition in Ft. Worth, Texas. The team members will return next Tuesday. Members are Calvin Doile, Emporia; Norman J. Griffith, Clayton; Conrad Jackson, Elmore; Oscar Norby, Pratt, and Richard Wellman, Sterling.

AG JUDGING TEAM MEMBERS TO GET K AWARDS THURSDAY

Presentation Will Take Place at Seminar; 27 Students Scheduled for Recognition

The annual awarding of K medals to 27 College students will highlight the agriculture seminar Thursday afternoon. The medals are given in recognition of service on one of the six judging teams which represented Kansas State College during the past year.

Speaker at the seminar will be L. E. Hawkins, agricultural commissioner of the Kansas City, Mo., Chamber of Commerce. Mr. Hawkins, formerly on the staff of the Department of Animal Husbandry at Oklahoma A. and M., will discuss "Livestock Problems in the Southwest."

The students receiving medals and the teams on which they judged are: Poultry, Ray Morrison, Larned; H. L. Carnahan, Parsons; Wilbert Greer, Council Grove.

Meat, F. E. Meenen, Clifton; W. A. Moyer, Manhattan; O. W. Norby, Pratt; B. W. Gardner, Carbondale.

Dairy cattle, W. S. Robinson, Nashville; R. C. Nelson, Falun; E. A. Reed, Rice; F. R. Wempe, Frankfort.

Dairy products, D. E. Brown, Osborne; O. C. Jackson, Elmore; M. W. Marcoux, Havensville.

Livestock, H. W. Frederick, Burrton; R. W. Rhodes, McLouth; Mack Yenser, Saffordville; W. R. Colle, Sterling; B. H. McCune, Stafford.

Crops, D. E. Crumbaker, Onaga; H. J. Smies, Courtland; E. L. Cyphers, Fairview, and H. L. Singer, Parker.

CONCERT BAND PRESENTS MUSIC ASSEMBLY PROGRAM

Charles Horner, Abilene, Plays Baritone Solo Tuesday Afternoon

The College concert band under the direction of Prof. Lyle W. Downey played for the music assembly Tuesday afternoon in the College Auditorium.

Charles Horner, Abilene, played a baritone solo, "El Matador," by Bennett. Horner is a senior in music education at the College.

Horner made the baritone arrangement of David Bennett's composition for the cornet.

The program included: "If Thou Be Near," by Bach; "Jesu, Joy of Man's Desiring," by Bach; "Richard III," overture by German; "El Matador," by Bennett; "Tales of the Vienna Woods," by Strauss; "Dancing Tambourine," by Polla, and "Cypress Silhouette," a modern rhapsody of the deep South, by Bennett.

'HOPPER EGG SITUATION REPORTED SAME AS 1940

SURVEY SHOWS AVERAGE OF 75 EGGS A SQUARE FOOT

Dr. E. G. Kelly, College Extension Entomologist, Tabulates Results from 60 Western Counties

A survey of the 1941 grasshopper crop showed that there were 75 eggs on an average in each square foot of the average mile of fence row, turnrow, creek bank, stubble fields and wastelands of western Kansas, Dr. E. G. Kelly, Kansas State College extension entomologist, reported this week. The situation is approximately the same as that reported last spring on the 1940 crop.

Doctor Kelly's forecast was based on grasshopper egg counts conducted in sample areas of 60 western counties during the fall and winter by county agents and federal entomologists.

TO USE 5,000 TONS OF BRAN

The reports indicated that not as many counties were infested this spring, but that the control problem would be slightly worse in the smaller number of counties involved. Approximately 5,000 tons of mill-run bran and sawdust and approximately 50,000 gallons of liquid sodium arsenite will be needed for poisoned mash this spring, Doctor Kelly explained.

The maximum number of grasshopper eggs found in the count ran up to 500 eggs a square foot. At least 80 percent of these eggs can be expected to hatch, so western Kansas farmers may anticipate another grasshopper control problem this summer, Doctor Kelly said.

NEED ORGANIZED CONTROL

Organized control campaigns can effectively limit the grasshopper damage to crops this summer as they have in previous years, Doctor Kelly continued. Country and community organizations already have been established in the 60 western counties where the 'hopper hazard will be greatest and these organizations will lead in distributing the poisoned bait and in promoting county-wide control campaigns. Such organized control measures proved highly effective in 1940.

Tillage of roadsides, stubble fields and wastelands to destroy grasshopper eggs was started last fall just as it was in 1939 when, by May 1 last year, 4,500 miles of roadsides and more than 2,300,000 acres of stubble fields and wastelands had been covered by nearly 8,200 cooperating farmers.

'WEATHER IS IMPORTANT

Last spring the poisoning campaign had the help of more than 16,300 farmers who scattered 4,100 tons of sawdust and mill-run bran and 41,000 gallons of liquid sodium arsenite. The 1940 poisoning campaign protected approximately 3,250,000 acres of crops.

College entomologists pointed out that weather conditions during May and June might be an important factor. (Continued on last page)

TONS OF COTTON USED FOR MATTRESS PROGRAM INDICATE KANSANS DESIRE COMFORTABLE BEDS

By GEORGIANA H. SMURTHWAITE
Kansas Home Demonstration Leader
Kansas State College Extension Service

You spend one-third of your life in bed. Eight hours out of every 24 are needed for sleeping. It is small wonder, then, that most of us are particular about having a comfortable bed.

Kansas people are no exception—the hundreds of thousands of pounds of cotton that already have been ordered and delivered in this state prove that. This cotton will be used to make mattresses. The "cotton-mattress program," as it has been called, has begun in Graham county where some mattresses already have been completed.

Fifty-six counties have enrolled in the program, and more counties are

enrolling every day. The actual number of mattresses ordered changes daily, and it numbers high in the thousands. Fifty pounds of cotton are needed for one double mattress.

Families who have applied for a mattress and been accepted do the work of putting the mattress together under the supervision of home economics extension specialists.

We're hearing a lot about nutrition and national defense: nutrition and general health in all its aspects—and the need of restful sleep is one of these. These new mattresses that will soon be completed in many sections of Kansas will help promote restful sleep, and provide comfortable sleeping quarters for thousands of persons—thus helping to carry on our national defense program.

Four Attend Conference

Prof. F. A. Smutz, G. F. Branigan, J. N. Wood and F. J. Sullivan of the Department of Machine Design recently attended the midyear conference of the engineering drawing division of the Society for the Promotion of Engineering Education at Washington university in St. Louis, Mo.

ARTIFICIAL SPEECH MACHINE IS DEMONSTRATED ON CAMPUS

Dr. J. O. Perrine, Assistant Vice-President of American Telephone and Telegraph Company, Talks on Sound

An electrical machine creating artificial speech was demonstrated and explained to a College audience last Thursday evening by Dr. J. O. Perrine, assistant vice-president of the American Telephone and Telegraph company.

The demonstration of the machine, called "Pedro the Voder," was sponsored by the student branch of the American Institute of Electrical Engineers.

The machine was built to create every sound used in human speech. The sounds were blended together to resemble speech by Miss Anna Mae Swenson, who operated the keyboard of the machine. In order to do this, Miss Swenson had to be able to break down every word into its component sounds and then to operate the keyboard. Though selected for her great natural aptitude for the work, it took Miss Swenson a year and a half to learn to operate the keyboard, it was said.

The machine was developed, Doctor Perrine said, to help in experiments which eventually would make it possible to send three telephone messages over a wire in the same space that one telephone message now takes.

An analogy with the creation of human speech explains how this may be done. Doctor Perrine said that vibrations making up speech sounds are very rapid. The mechanisms of speech—mouth, lip and tongue movements—are slow in comparison.

In the machine the keyboard is analogous with human speech mechanism. The keyboard impulses take up one-third as much room on the wires as do actual sound vibrations. These keyboard impulses cause the machine to produce speech sounds in much the same way as the mechanism of human speech causes the production of human speech sounds, the telephone official explained.

EXTENSION DISTRICT AGENT WILL HELP SUPERVISE LOANS

A. F. Turner Is One of Three Men Charged with Directing Emergency Financing

Emergency seed and feed loans, being offered by the emergency crop and feed loan section of the Farm Credit administration, will be supervised this spring by H. E. Warren and H. E. Schmidt, both of the Emergency Crop and Feed Loan office at Wichita, and A. F. Turner, district agent of the Kansas State College Extension service, Manhattan.

The loans may include funds for the purchase of seed, feed for workstock, fuel, oil and minor repairs, as well as funds for planting a garden for home use.

Crop loans are to be obtained by a first lien on the crops to be planted with the loan funds. Both landlords and tenant farmers are eligible for loans. The interest rate is 4 percent. The amount loaned to the individual farmer is based on the cost of producing the crops to be financed.

Mr. Turner said the basic objective of emergency crop and feed loans is to make it possible for farmers to produce sufficient crops with which to repay their loans, and at the same time enable them to continue their farming operations and through such operations meet the needs of their families and care for their workstock and subsistence cattle.

TWO CAMPUS BUILDINGS ARE PROPOSED IN BILLS

4-H CLUB-FIELDHOUSE AND MILITARY STRUCTURE PROPOSED

Senate Ways and Means Committee Studies Measures for Constructing New Additions on Campus

Bills providing for a building to house the personnel and equipment of the Department of Military Science and Tactics and for a 4-H club-fieldhouse on the Kansas State College campus were introduced in the State Legislature last week.

A bill to appropriate approximately \$33,000 for the construction of the military science building is now before the Senate Ways and Means committee. Pres. F. D. Farrell and Fred M. Harris, Ottawa, chairman of the State Board of Regents, have discussed the military science building with members of the Senate committee, it was said at the President's office.

HEARING HELD FRIDAY

The 4-H club-fieldhouse measure, providing for appropriation of \$400,000, was introduced Friday. Sponsors of the legislation are Sen. O. W. Schwalm of Paxico in the upper house and Reps. John A. Holmstrom of Riley county, H. J. Barr of Wichita, A. P. Hartman of Marshall, R. F. Glick of Doniphan and Karl W. Root of Atchison.

Hearing for the 4-H club-fieldhouse bill was held by the Senate Ways and Means committee Friday afternoon, with Michael F. Ahearn, director of athletics at the College, and Jack Gardner, basketball coach, presenting arguments for the structure.

APPROVES WPA AID

Pres. F. D. Roosevelt's approval of an allotment of \$92,595 from Works Progress administration funds for the military science building in Manhattan was announced last Friday by Clarence G. Nevins, Kansas director of the WPA. The project, it was said, received prompt presidential approval because it was considered an important aid to national defense.

The military science building would be of reinforced concrete faced with native stone, in keeping with the other campus buildings. Mr. Nevins predicted that construction would start in April if the State Board of Regents has funds available by that time.

NEAR CALVIN HALL

The original proposal called for building the new structure back of Calvin hall.

The new building will contain offices for the military officers stationed at the College, classrooms, assembly rooms, a firing range and storage facilities for the rifles and other military equipment. These are now housed in Nichols Gymnasium.

PRIMARY AVIATION COURSE ATTAINS FULL QUOTA OF 30

Prof. C. E. Pearce Says Students Will Be Flying Soon

The quota of 30 students has been filled for the Civil Aeronautics authority primary flying course. Prof. C. E. Pearce, flight course director, said all the students will soon have a chance to fly.

The list of the students taking the primary course includes:

Harmond Bear, Abilene; Wayne Bogard, Junction City; Max Cables, Concordia; John Dart, Newton; Clayton David, Topeka; Everett Fager, Miller; Dean Gross, Russell; Alfred Hawkinson, McPherson; Gordon Hoath, Anthony; Dale Hupe, Perry; Delmar Jones, Mulvane.

John McClurkin, Clay Center; Robert McClymonds, Walton; James McKie, Salina; Dale Morlan, Courtland; Robert Roberts, Wellington; Clarence Ryser, Haddam; Pat Sauble, Newton; Clarence Schulze, Blue Springs; Tasker Sherrill, Republic; C. W. Smick, Oberlin; Charles Stafford, Republic; Jay Stevens, Lincoln; Wallace Swanson, Sharon Springs, and Byron Wilson, Manhattan.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKREY Editor
JANE ROCKWELL, RALPH LASHBROOK,
HILLIER KRIEGBAUM Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in The KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

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WEDNESDAY, MARCH 5, 1941

CENSORSHIP—A GLANCE BACKWARD

When Lowell Mellett, director of the Office of Government Reports, told a Congressional committee recently that the national government has "absolutely no plans" for censorship of press or radio as part of the peacetime preparedness drive, he went far toward quieting speculation as to the probability of such action.

Mellett comes from a distinguished newspaper family whose whole tradition is against restrictions on the supplying of information to the people. One of his brothers, Don Mellett, paid with his life for his passionate belief in freedom of expression. Gangsters in Canton, Ohio, murdered Don Mellett when he exposed, in his newspaper, the close connection between certain local politicians and racketeers. Lowell Mellett was European manager and later a war correspondent for the United Press in the World War years when that organization was building the foundations for its post-war success by providing information which a news-hungry world was having difficulty in getting from other than interested sources. After the World War Lowell Mellett was managing editor of Collier's magazine, and for 16 years edited a Scripps-Howard newspaper in Washington, before entering government service in 1937. Nothing in his background or record suggests any taste or aptitude for the title of "censor."

Although Mellett's statement covered the situation for so long as this country does not become actively involved in war, there is little question but that much now regarded as legitimate material for publication would become "dangerous matter" if the transition to a wartime state is made. All experience, including our own in 1917-1918, indicates this is so.

In 1917-1918 no compulsory censorship of news originating in this country and for dissemination in this country was established, save for restrictions on the giving out of military information by the military establishment. Effective controls over material deemed harmful to prosecution of the war were maintained, however, by operation of the Espionage and Trading with the Enemy acts, wartime laws forbidding publication of certain types of military and semimilitary information and of material deemed harmful to morale. These laws were enforced by the Department of Justice, which had the power to institute prosecutions for violation of the acts, but not to pass on material in advance of publication. This latter task was performed, on a voluntary basis, by a section of the civilian Committee on Public Information, which, in addition to its major function of making information about conduct of the war available to newsmen, also prepared an advisory sheet for publicists, covering "dangerous matter" and "questionable matter."

Editors doubtful about borderline material could submit it to the Committee on Public Information for an advisory opinion. If the committee disapproved publication, the editor was still free to publish the material, but at the risk of prosecution of the Department of Justice for violation of the Espionage and other wartime acts. Both because of a desire to cooperate in the prosecution of the war and because of the danger in-

involved in any other course, nearly all the standard newspapers of the country observed regulations and opinions of the committee closely. There were no restrictions on criticism of governmental officials in their conduct of the war.

Although government officials naturally refuse to speculate as to what might happen if this country again becomes involved in war, the general thought of research workers in the communications field seems to be that the American method of making the adjustment between the desire and need of the public for information and the necessity for secrecy with respect to certain phases of the military effort, was the most successfully used by any country in World War I. Unless they are badly wrong, emphasis in another national emergency would again be on provision of information rather than censorship; with cooperation voluntary as far as possible; and with all but strictly military informational activities in civilian hands.

A PLANT PIONEER RETIRES

Some of the federal employees who actually had a hand in the remaking of America have or will be retiring soon from public life. This is particularly true of the Department of Agriculture where many of its famed scientists are near retirement age.

Just last week, for example, Dr. Walter T. Swingle was retired from the Bureau of Plant Industry. He was one of the original 50 employees of the bureau when it was established in 1901 and he spent 50 years of his life at the department. Only these bare facts were mentioned when Doctor Swingle was retired, but today millions enjoy the results of his scientific work. Briefly, the aged scientist is solely responsible for the fig and date industry in this country. He also discovered and developed citrus fruits which we'll all be eating within a few years.

Around 1900 Doctor Swingle was assigned to find out why figs wouldn't produce in this country. Fig trees would grow here but they wouldn't bear fruit. The then young scientist went to Syria and Greece where he found out about the sex life of a fig, and, incidentally, stirred up an international controversy.

In Syria and Greece, Swingle discovered the natives breeding wasps which they would take from one fig tree to another. The natives could give no scientific explanation for their work. The young American scientist concluded that the peculiar-looking, wasp-like bugs fed on male fig trees and then fertilized female fig trees by crawling into the blossoms where they sometimes died. Swingle decided that America needed wasps before the fig trees would bear fruit.

He came back to this country with his suitcase full of wasps and with scientists the world over poking fun at him. Italian scientists laughed loudest. They said it was a "foolish superstition." Despite ridicule, Swingle stood by his theory and soon he produced figs with his "foolish theory." Now there's a booming fig industry in California and Arizona and it all can be traced directly to Swingle.

His friends at Agriculture say Swingle will be best known for his work with citrus fruits. He crossed a tangerine and grapefruit and produced the first tangelo, a fruit scientists predict will be as common as oranges within the next decade. He has developed several varieties of oranges, grapefruits and other citrus fruits.—Editorial comment in the Washington Post, February 9, 1941.

POST-HITLER GERMANY

Who will be the leaders of post-Hitler Germany? I believe that the leadership of the new Germany—whose heartbeats are yet inaudible in the commotion of propaganda drums and rolling caissons—will not be in the hands of men whose loyalties have changed with each turn of the political weathervane. The social and political antagonisms which smolder behind the facade of the Third Reich are too intense to allow for a mere "changing of the guard."

The man of the future may come from the ranks of those who now do the anonymous business of fighting the war and its desperate economic battles. The new Germany will rise on the shoulders of those nameless Germans, who, notwithstanding doubts and misgivings, now follow the path of duty to their fatherland. The future leaders may stand to-

SCIENCE TODAY

By WILSON TRIPP

Assistant Professor, Department of Mechanical Engineering

In the steam-turbine power plant steam generated in a boiler is delivered to the steam turbine where it expands through the blades and produces rotary motion of the turbine shaft. The mechanical power developed in the turbine is converted to electrical energy in the generator. The exhaust steam from the turbine is condensed to a liquid in the condenser and is returned to the boiler by a boiler feed-water pump. To obtain high thermal efficiencies of 25 to 30 percent, the modern steam plant has, in addition to the above-mentioned equipment, steam superheaters, feed-water heaters, air preheaters, air ejectors, feed-water treaters and draft fans.

In the combustion-gas-turbine power plant, air is compressed in an axial-flow compressor to a pressure of 20 to 30 pounds per square inch gage and then is delivered to a combustion chamber. Part of the air is sent to a burner where it mixes with fuel oil and produces a flame. The remaining air is by-passed around the burner and mixes with the flame, reducing its temperature to about 1000° F. The hot gases enter a gas turbine, and, expanding through the blades in a manner similar to the expansion of steam in a steam turbine, produce rotary motion of the turbine shaft. The major portion of the power developed by the gas turbine is consumed in the operation of the air compressor, while the excess power is converted into electrical energy in the generator.

The first attempts, 40 years ago, to build successful gas turbines were failures because of two difficulties: (1) no metals were available that could withstand high temperatures, and (2) the blade efficiencies of the turbine and air compressor were too low.

In recent years, the research activities of scientists in the fields of metallurgy and aerodynamics have overcome these two obstacles. Within the past decade remarkable progress has been made. Today we have gas-turbine power plants with a thermal efficiency of 18 percent.

day in the ranks of the fighting forces as officers and privates, in the ranks of labor or even in certain present offices of the Nazi state. They will come to the fore when the Gestapo system has devoured itself as it inevitably must, when Hitlerism has thrown away its last alibi as it has cast aside its last principle.

Too bitter are the memories which bar the return to both monarchy and Weimar republic. The new state will have to be erected on lines which will run from national to European perspectives. Another generation may have to bridge the gap between the Germany after Poland and the Germany pledged to a European order.—Robert Strausz-Hupe, in Current History.

ENDURING HUMAN VALUES

When we are liberated, we are able to realize more fully, through music or poetry, through history or science, through beauty or through pain, that the really valuable things in human life are individual, not such things as happen on a battlefield or in the clash of politics or in the regimented march of masses of men toward an externally imposed goal.—Bertrand Russell, in Power.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

H. D. Karns, '24, principal of the high school at Osborne, was elected superintendent of schools at Plainville.

Mrs. Mary P. Van Zile, dean of women, spoke on "Present Trends in Education" before members of the Portia Study club, Wamego.

Dean E. L. Holton and Prof. J. C. Peterson, both of the Department of Education, returned from Detroit, where they attended a meeting of superintendents and principals of the National Education association. Dean Holton appeared on the program, discussing "Situation-Trait Action Analysis in the Development of Personality."

The gas turbine has been developed by the Brown-Boveri company of Switzerland, under the direction of Dr. Adolphe Meyer. In this country, it is being developed by the Allis-Chalmers Manufacturing company, under the direction of Dr. J. T. Rettaliata. Engineers of these two companies do not expect the gas turbine to replace the steam turbine, as the principal power-generating unit, now or in the near future. The gas-turbine plant, with its 18 percent thermal efficiency, cannot compete with the 25 to 30 percent thermally efficient steam plant.

The engineers claim, however, that the simplicity of the gas-turbine plant and its small space requirements give it advantages in certain applications.

In its first successful commercial application, the gas-turbine plant was used to supply compressed combustion air to a forced-draft steam boiler, called the Velox boiler. Part of the thermal energy in the exhaust gases from the Velox boiler was converted into mechanical energy in the gas turbine and used to operate the air compressor.

In 1936, a gas turbine was installed in the Marcus Hook, Pa., plant of the Sun Oil company, and used to supply compressed air in the Houdry cracking process. Since that time, several gas turbines have been installed in oil refineries in this country and in Europe. In 1939, construction was begun on a 4,000 kilowatt, gas-turbine, bomb-proof emergency power station for the city of Neuchatel, Switzerland.

Gas-turbine engineers of the Brown-Boveri and Allis-Chalmers companies predict successful application of the gas turbine in locomotive engines and destroyers. They point to its simplicity, freedom from auxiliaries, compactness and its absolute independence of the water problems attending a steam plant. As to the future development of the gas turbine, these engineers predict that with superior metals (and higher gas temperatures), increased blade efficiencies and heat-reclaiming devices, thermal efficiencies of 25 to 30 percent and wider applications will be realized.

TWENTY YEARS AGO

C. J. Boyle, '09, was county agent for Cloud county with headquarters at Concordia.

Dave Gray, '14, was secretary-treasurer of the Meadow Brook company, Kansas City, Mo.

Verla Dahnke, '20, resigned as dietitian in Wesley hospital, Kansas City, Mo., to teach domestic science in the Abilene junior high school.

THIRTY YEARS AGO

Nelson Antrim Crawford, assistant in the English department, read a paper before the English club. His subject was "Symbolism in the Arthurian Legend."

A. W. Barnard, '05, was an instructor in manual training at the Montana State Reform school at Miles City. The work of his department took first place at the state fair.

Dr. Arnold Emch, M. S. '94, assumed his duties at the University of Illinois as professor of higher mathematics. Doctor Emch was for several years a professor at the University of Basel, Switzerland.

FORTY YEARS AGO

Prof. J. D. Walters addressed the Ionian society at its meeting. His subject was "How to Get On in the World."

Prof. Albert S. Hitchcock resigned his position with the College to go to Washington, D. C., as assistant chief of the Division of Agrostology. Professor Hitchcock had been with the College for nearly 10 years.

W. A. McCullough, '98, a junior in the University Medical College of Missouri, won the position of assistant in the dispensary, because of his high standing in his class, over several candidates in the senior class, from which class the assistants were usually chosen.

FIFTY YEARS AGO

C. S. Clark, '88, was studying at Yale college, preparatory to his course in theology.

President Fairchild attended the reception given at Lawrence for Pres-

ident Eliot of Harvard university.

Professors Georgeson and Hood and Mrs. Kedzie attended farmers' institutes at Dodge City and Garden City.

SIXTY YEARS AGO

President Fairchild went to Topeka to attend a meeting of the State Board of Education.

Major Coburn's address on "Dogs in Their Relation to the Sheep Industry," delivered at the last breeders' institute, was published in the Chicago Times, Prairie Farmer and Kansas Farmer.

The regular public Friday afternoon exercises consisted of original orations by the first division of the senior class. The speakers were Miss D. Mason and Messrs. U. G. Houston, W. J. Jeffery and W. J. Lightfoot.

KANSAS POETRY

Robert Conover, Editor

TOMORROW AND TOMORROW

By Myra Perrings

I walk along a dusty lane
With eyes upon a distant hill,
Imagining more golden grain
And greener grass beyond the still
Blue mountains.

So I walk and so
I dream but ever my desire
Recedes before me as I go—
A burning and elusive fire.

Myra Perrings of Topeka has been writing poetry for more than 10 years and in that time has published more than 200 juvenile poems and 100 adult poems. Her work has appeared in eight anthologies. Her most reprinted poem is "Walk Softly." This has been set to music by Marian Ryan of Chicago and has been sung at Northwestern university and the University of Wyoming.

SUNFLOWERS

By H. W. Davis

YES, IT WOULD BE FUN

Wouldn't it be fun to be an archaeologist who had somehow got himself twisted into reverse during his training and could dig deep into the ruins of the future, look back with wisdom on those furious 1940's, and realize what that devastating decade was all about? (The tense is all muddled, but you know what I mean.)

Even though depressing, it would be interesting to see the collapse of an empire upon which the sun could not set for three centuries; to witness the beginning of the end of a personal freedom evolved from a charter wrested from a wicked king in 1215, a charter which sort of established the rights of Anglo-Saxon individuals for almost six centuries and a half; to look upon the sudden rise of a tyranny born of bigotry and mechanized efficiency and destined to curse the world for a millenium maybe.

It would also be interesting, and not depressing at all, to see a freedom-loving race smashing that threatening tyranny to smithereens and really and truly making the world comfortable for a while for all humble peoples whatever their race, color, creed or understanding of what it's all about.

I don't know why some of our great universities have not developed a few reversible or forwardly projectable archaeologists who could do something like that and give us relief from the jitters Herr Hitler throws into us every time he takes a maniacal notion to do so.

It took the human race a long time, of course, to begin looking back upon its past. Mostly it was a mere matter of developing a written language. Why is it so silly to suppose we possibly might learn to look backward with some wisdom on the present? Mostly it should be a matter of tense worked into the technique of interpreting the past.

As it is, you know, we prefer to leave the future to clairvoyants, radio astrologers and our new movie friend Nostradamus, who had such a high opinion of the present United States some 400 years ago.

If some humanitarian institution of higher learning could turn us out just a few dozen archaeologist-sociologist-psychiatrist Ph. D.'s with speed enough to look back on today, we certainly could use them. The digger into the future, well fortified with a knowledge of human nature—which is certainly as available for research as oil deposits and Inca cities—ought to be quite a help—at least from now until 1950.

AMONG THE ALUMNI

A. A. Stewart, superintendent of printing here from 1874-81, writes:

"In my 86th year, may I refer briefly to two men who recently passed on from Manhattan, and who were, in the very early years of the College, in the group of its most worthy students. They are Byron H. Pound and George C. Peck. Both of these men were among my dearest friends—associated closely in widely different activities.

"Pound was catcher in the first ball team organized at the College, John S. Griffing was pitcher, and I was umpire. Strangely I do not recall a single name of the other players. This ball team was the sum total of the College athletics at that time. Later and for many years Pound was a faithful and popular mail carrier in Manhattan. He was a manly, courteous fellow and a great lover of children. When I attended the 1937 commencement exercises, I did not see Pound, to my great disappointment, but we exchanged greetings through mutual friends.

"Peck was for several years a member of my printing classes and worked in the department through vacation periods. He was a kindly spirit, with a charming personality, and made an enviable record in his business and family life. Peck heard that I was in Manhattan in 1937; he hastened to both hotels to find me; we passed each other on the sidewalk without recognition; I took a taxi for the College which he halted and entered; still no recognition—until Peck introduced himself. Seldom were two people more surprised. But I had not seen Peck nor Pound for over 50 years!

"There are not many left of the students in that period of beginnings."

Spencer N. Chaffee, '91, with his wife, Grace (Mast) Chaffee, are at Solomon. He is the physician there.

Viola (Norton) Vickburg, D. S. '04, Talmage, writes about her two children. Carl, Ch. E. '35, is a chemist with the Carter Oil company. His address is 3145 South Detroit, Tulsa, Okla. Helen Louise, G. S. '35, who was married in July to Robert W. Lukens, '33, is living at Linn where her husband teaches vocational agriculture.

James M. McArthur, Ag. '15, has changed his address to 4723 Baronne street, New Orleans, La. He is supervisor of nature study and gardening in the public schools there. His son, Charles, 19, is a freshman at Louisiana State university in agricultural engineering. He is a licensed pilot with a private aviation license. The rest of the seven McArthur children are at home.

Walter L. Latshaw, M. S. '22, recently was elected president of the Kansas Klub of Utah. This is not an alumni group but takes in all Kansans residing in Utah. Mr. Latshaw is at Salt Lake City, where he is director of the agricultural department of the United States Smelting, Refining and Mining company.

Louisa S. Moyer, H. E. '23, was formerly home demonstration agent at Savannah, Mo. For the past several months, she has been at her home in Whiting, where she was called on account of the illness of her father.

Maj. Elmer W. Young, D. V. M. '25, is on the veterinary staff at Ft. Douglas, Utah. He was transferred there in September from Ft. Riley where he had been for several years. Mrs. Young is the former Ethel Wood, f. s. '23.

Capt. Earl L. Hinden, G. S. '26, has been transferred from the infantry school at Ft. Benning, Ga., to the replacement center at Camp Walters, Texas. Captain Hinden is in command of Company B there.

Edith Ames, H. E. '27, M. S. '39, is now at Belcourt, N. D. After obtaining her master's degree from Kansas State College, she taught at the Women's College of South Carolina. Now she is returning to the Indian service and will be at the Turtle Mountain Indian agency at Belcourt.

L. A. Noll, G. S. '28, M. S. '32, teaches psychology and other educational subjects at the Hutchinson junior college. He and his wife, Phena Ann (Klingensmith) Noll, f. s.

'27, live at 405 East Sixteenth street.

Vianna (Dizmang) Bramblett, H. E. '29, has moved from Brooklyn, N. Y., to 714 Owens, La Fayette, Ind. "My husband unexpectedly accepted a better position at Purdue university so we are returning to La Fayette to live," she writes.

"Alumni are always quite welcome and I do enjoy any news about the College and of my former instructors and classmates."

Lester W. Burton, E. E. '30, and Etha (Dungan) Burton, '30, live at 57 Park street, Stratford, Conn. Mr. Burton is a sales engineer with the General Electric company at Bridgeport, Conn. His work covers the application of copper oxide and Tungar rectifiers.

J. A. Shellenberger, M. S. '31, recently resigned his position as head of the products control for the Menel Milling company, Toledo, Ohio, and is now head of the biochemical laboratory for the Rohm and Haas company at Bristol, Pa. His address is 4201 Robbins avenue, Philadelphia.

Emma F. Shepek, H. E. '32, M. S. '39, has taught in the grades, junior and senior high school and the University of Minnesota. She has done welfare work and has worked with Girl Reserves, Camp Fire girls, and 4-H groups, sponsored classes, coached plays, talked to groups and given radio talks. She is now instructor in foods at the University of Minnesota. Her address is 2142 Knapp, St. Paul, Minn.

Ralph O. Smith, E. E. '33, is a civil engineer with the State Highway commission at Wellington. He and Mary (Bastian) Smith live at 1312 North C.

Mary Margaret Carr, '34, is therapeutic dietitian at the Chronic Disease hospital, Hartwell, Cincinnati, Ohio.

Eunice (Williams) Sweder, H. E. '35, visited the College Alumni office last fall. Her husband, Alfred Sweder, is employed by the Lakeside Iron works at Marquette, Mich. Their home address is 1036 Pine street, Marquette.

Dr. W. W. Williamson, D. V. M. '35, for several years a member of the meat inspection force of the United States Bureau of Animal Industry in South St. Paul, Minn., has resigned his position to accept one with the Civilian Conservation corps, Reno, Nev.

Tate B. Collins Jr., E. E. '37, M. S. '39, is a toll testboard man for the Southern Bell Telephone company, Central City, Ky. In December, he took a special two months' training course at Atlanta, Ga.

Norman Branson, E. E. '38, is working for General Electric at Pittsfield, Mass. He called at the Alumni office in January and told of his marriage, December 23, 1939, to Eunice B. Roberts.

Donald F. Mossman, D. V. M. '39, is engaged in private practice at Lone Tree, Iowa. He formerly had a veterinary practice at La Porte City, Iowa. His wife is the former Zillah Lee Feleay, f. s. '39.

Some of the positions held by 1940 graduates in horticulture are reported as follows:

William B. Ackley, who worked here on a Dowax fellowship last summer, is now employed in the Bureau of the Census, Washington, D. C.

Eugene W. Baird, a graduate assistant in Ohio State university, is working toward an advanced degree in floriculture.

Richard M. Bullock is research assistant in Washington State college, Pullman.

Charles O. Carter is teaching vocational agriculture at Randolph high school, Randolph.

Arthur R. Garvin was foreman of a shelterbelt planting crew on the Potawatomie Indian reservation last summer and is now with the Bureau of the Census, Washington, D. C.

Elizabeth Holman also is with the Bureau of the Census.

Dale E. Johnson has employment with the United Fruit company as a plantation foreman in Panama.

Henry Kupfer finds full-time employment in his father's floral business in Kansas City, Mo.

C. William Lobenstein is in charge of his father's fruit and vegetable gardens near Bonner Springs.

Melvin (Pete) Peterson is doing graduate work in pomology at Ohio State, Columbus.

LOOKING AROUND

KENNEY L. FORD

Will Distribute Old Books

The vice-president's office has on hand the following items for distribution:

College catalogues — 1877-80, 1882-83, 1883-84, 1888-89, 1889-90, 1891-92 through 1893-94, 1895-96 through 1899-1900, 1901-02, 1906-07, 1909-10 through 1913-14, 1915-16 through 1919-20, 1922-23, 1925-26 through 1935-36.

Biennial reports—1885-86 through 1889-90 (fifth to seventh biennial reports), 1893-94 (ninth biennial report), 1897-98 (11th biennial report), 1905-06 (15th biennial report), 1915-16 (second biennial report, first State Board of Administration), 1919-20 through 1923-24 (28th to 30th biennial reports) and 1927-28 through 1931-32 (32nd to 34th biennial reports).

Summer school bulletins—1917 through to the current issue.

These extra numbers will be distributed in order of request until May 1. Requests should be accompanied with five cents for each item desired, to cover wrapping and postage, officials explained.

Graduates at Press Sessions

The following graduates and former students of Kansas State College attended the recent Kansas Press association meeting in Topeka:

Harold Hammond, f. s. '19, editor of the Great Bend Herald and publisher of the Caldwell Messenger; Ralph Van Camp, '33, editor of the Halstead Independent; Richard M. Seaton, '34, business manager of the Manhattan Mercury-Chronicle; C. W. Claybaugh, '26, editor of the Southwest Times, Liberal; Alice Coldren, '39, Oberlin Herald; Nelson Reppert, '34, editor of the Osawatimie Graphic; Wilmar Sanders, '29, and Ralph Daggett, '39, Western Newspaper union, Kansas City, Mo.

Gray LeVitt, '25, Kansas Power and Light company, Topeka; J. R. Hubbard, f. s. '28, director of public relations for Santa Fe railroad; McDill Boyd, f. s., Frank Boyd, f. s. '03, and Mame (Alexander) Boyd, '02, of the Phillips County Review and other newspapers; Merle Miller, f. s., manager of the Belleville Telescope, and Erma (Schmedemann) Miller, '34; T. W. Morse, '95, editor of the Emporia Times; Walt Neibarger, f. s., editor of the Tonganoxie Mirror; William Batdorf, '25, city editor, Burlington Republican; Allen P. Hartman, f. s., editor of the Frankfort Daily Index.

Nelson Antrim Crawford, former head of the Department of Industrial Journalism and Printing, was one of the hosts at a luncheon given the visitors by the Topeka Press club. Mr. Crawford is editor-in-chief of Household magazine.

Washington, D. C., Dinner

The annual dinner of the Kansas State alumni group in Washington, D. C., was held February 17 at the Kennedy Warren hotel.

Donald Ibach wrote the following report of the meeting:

"The program consisted of short talks by various alumni who are associated with the defense program in one capacity or another. Cliff Stratton's remarks were given with characteristic humor and pertained to interesting incidents regarding the history of Kansas State College.

"Mrs. Zepherine (Towne) Shaffer, president of the group, was toastmaster. Homer J. Henney arranged the program, and he and his wife were in charge of the table decorations which were red, white and blue. L. M. Davis and Amer Nystrom, respectively, did their bits at the piano and in leading group singing.

"The attendance list of 67 names included:

"Col. L. B. Bender, '04, and Mrs. Bender; Floyd W. Berger, '40; Max Besler, '37, and Mrs. Besler; Hale Brown, '28; Col. W. W. Buckley, f. s. '05; Christine M. Corlett, '91; Hubert L. Collins, '23, and Lois (Richardson) Collins, '25; Leon M. Davis, '09, and Hazel (Bixby) Davis, '10; Wilbert Fritz, '27, and Cora Mae (Geiger) Fritz, '29; Roy R. Graves, '09, and Grace (Smith) Graves, '08; Homer J. Henney, '21, and Mrs. Henney.

"Lieut. Arthur W. Hjort, '39; Donald B. Ibach, '23, and Mrs. Ibach; Corinne (Failyer) Kyle, '03; Maude (Failyer) Kinzer, '03; G. H. Failyer,

'77, and Mrs. Failyer; Hilda (Black) Kifer, '25; C. F. Kinman, '04, and Mrs. Kinman; Lieut.-Col. H. D. Linscott, '16, and Mary (Rich) Linscott, '18; Eula Lesh, f. s. '36; Charles A. Logan, '25, and Mrs. Logan; Col. Harold McClelland, '16, and Doris (Mellersh) McClelland, f. s. '21; J. Thomas Neill, '40; Amer B. Nystrom, '07, and Mame (Frey) Nystrom, '07; Mildred (Bobb) Paulsen, '27; Lieut. J. C. Prentice, '38, and Mrs. Prentice; Cecille M. Protzman, '27; Maj. S. M. Ransopher, '11, and Mrs. Ransopher; Lieut. Thomas B. Reed, '23.

"Dean Roy A. Seaton, '04, and Elnora (Wanamaker) Seaton, '25; Lieut. A. E. Settle, '37, and Dorothy (Judy) Settle, '38; Zepherine (Towne) Shaffer, '11; Mrs. Lillian Hays; Lieut.-Col. Emmett W. Skinner, '16, and Ruth (Adams) Skinner, '16; E. G. Smerchek, '40; Libbie Smerchek, '32; Cliff Stratton, '11, and Mrs. Stratton; Dr. Day Monroe; Stella Stewart, '00; Swanna Lee Suits, '40; Mary F. Taylor, '19; Guy E. Yerkes, '06, and Mrs. Yerkes; Augusta (Amos) Wright, '08, and Lieut.-Col. Everett W. Yon, former faculty member at the College, and Mrs. Yon."

MARRIAGES

DAVIS—HANSEN

Ileene Davis, H. E. '40, and Donald Hansen, f. s., both of Wichita, were married January 26. Since her graduation, Miss Davis has been employed in the accounting department of Stearman Aircraft corporation in Wichita. Since the spring of 1940, Mr. Hansen has been employed in the Boeing Aircraft corporation. The couple are at home at 236 South Hydraulic street, Wichita.

NEUBAUER—BOES

Mr. and Mrs. C. E. Neubauer announced in January the marriage of their daughter, Lila, f. s. '41, to Glenn H. Boes, C. E. '39, lieutenant in the United States Army Air corps. The ceremony took place May 12 in Ft. Sam Houston, Texas. At that time, Mr. Boes was stationed in Ft. Sam Houston. He has since then been transferred to Riverside, Calif. Mrs. Boes attended Kansas State College last semester.

DAPPEN—ZUHR

Bernice Arlene Dappen, H. E. '37, was married January 1 to Herbert F. Zuhr of Bloomfield, N. J. Mrs. Zuhr has attended the graduate school of Pennsylvania State college, where Mr. Zuhr graduated. He also graduated from Union college, Schenectady, N. Y., and is a member of Kappa Sigma. The couple are at Bowling Green, Ohio, where Mr. Zuhr is an instructor in chemistry at Bowling Green State university.

LYNCH—BAYLESS

Margaret Lynch, H. E. '33, was married August 3 to J. Alton Bayless, graduate of the College of Emporia. He is now associated with the Federal Land bank in Wichita. Their home address is 218 North Bleckley drive, Wichita. The bride is a member of Zeta Tau Alpha sorority and an active member of the Young Business Women's league. She was formerly secretary to the advertising manager of the Kansas Gas and Electric company.

HOLMES—PRENTICE

The marriage of William Hardy Prentice, E. E. '37, to Eleanor Louisa Holmes of Brookline, Mass., took place January 11. Mr. Prentice is a member of Beta Theta Pi fraternity and Scabbard and Blade, national honorary military organization. After his graduation, he began working for the General Electric company at Boston. On January 15, he assumed his duties as first lieutenant in the Coast Artillery corps at Ft. Adams, R. I. They are at home at Tudor hall, 25 Catherine street, Newport, R. I.

HEFFELFINGER—MORRIS

Elizabeth (Betty) Heffelfinger, I. J. '33, was married to J. Lisle Morris of Wichita, January 18, at Newton. Mrs. Morris, a member of Delta Delta Delta sorority, has taught in the Waco school in Wichita for several years. Mr. Morris attended Wichita university and is a member of Alpha Gamma Gamma fraternity, president of the Wichita Real Estate board, vice-president of the Kansas Association of Real Estate Boards and a partner in the Morris Brothers, realtors, of Wichita. Their home address is 601 North Fountain, Wichita.

RECENT HAPPENINGS ON THE HILL

Approximately 30 candidates for the varsity baseball squad at Kansas State College reported for practice at the first session of spring baseball held in Nichols Gymnasium Monday afternoon.

Members of YWCA are voting for executive council officers in the YWCA cabinet today. Competing presidential candidates are Mary Griswold, Manhattan, and Marjorie Spurrier, Kingman.

Independent students will vote by secret ballot for candidates for the offices of Student Council and Board of Publications next Friday in Anderson hall. The Independent Student party is holding its primary election then.

Dr. J. E. Ackert, dean of the Division of Graduate Study, has been selected foreign collaborator for a Cuban journal on parasitology and bacteriology. He will contribute original and review articles and give such counsel as is desired.

A new folding machine has been installed in Kedzie hall for use in printing done by the Department of Industrial Journalism and Printing. The machine has a capacity of from 5,000 to 10,000 sheets an hour, the difference depending on the size of the sheets.

Andre Baude, former French medical officer and refugee from conquered France, will speak in Manhattan April 3. Doctor Baude was twice captured by the German army, from which he succeeded in escaping. Through the efforts of his wife, formerly of Independence, Kan., he is in the United States and able to recount his adventures.

The general science faculty discussed the results of recently answered questionnaires concerning final examination exemptions, at the regular monthly meeting Tuesday afternoon. After considerable discussion, the faculty approved the present arrangement for exempting certain classifications of superior students if the teacher desired.

BIRTHS

H. C. Stuart, '35, and Julia E. (Crow) Stuart, '35, announce the arrival of a daughter, Karen Lee, born January 19 at the St. Mary hospital in Manhattan. Mr. Stuart is superintendent of the high school at Garison.

Francis E. Johnson, E. E. '29, and Edna (Stewart) Johnson, H. E. '28, are the parents of a son, Stewart Wayne, born January 23. Mr. Johnson is a high school science instructor in Mt. Vernon, N. Y. They have a daughter, Randi, 2, whose picture appeared in the March issue of the American magazine in the section of Interesting People in the American Scene. The article commented: "Just 2 years old, she has been working as a model for the last 18 months. Hers is probably the most familiar baby-face in the country. It has appeared in hundreds of national advertisements and magazine covers. She already has a well-worn social security card, an insurance policy and a bouncing big balance in the bank."

DEATHS

PAGE

Wilbur C. Page, M. E. '38, died November 6, 1938, after complications connected with an appendectomy. For the short time between graduation and his death he was employed by the Texas Pipeline company, Houston, Texas. Surviving him are his parents, two brothers and one sister.

MUDGE

Funeral services for Mrs. Phoebe (Hines) Mudge who died December 31 were held in Manhattan. She was reared in the College Hill community and in 1878 was married to J. B. Mudge, f. s. '69, who died in 1931. Surviving her are five children, four of whom are graduates of the College. They are: Mary (Mudge) Eiling, '05, Manhattan; Bessie (Mudge) Houser, '03, Wooster, Ohio; Ruth (Mudge) Dimock, '01, Lexington, Ky.; J. B. Mudge Jr., '14, New York, and B. F. Mudge of Canada.

KANSAS CORN RESEARCH FAVORS SOME HYBRIDS

EXPERIMENTS IN EASTERN PART OF STATE CONDUCTED BY COLLEGE

Tests indicate that some types are superior to open-pollinated varieties during two-year period covered.

Hybrid corn tests conducted in various Kansas counties through the Kansas corn testing program indicate that some hybrids are superior to the common open-pollinated varieties. The tests were conducted by R. W. Jugenheimer, associate agronomist with the United States Department of Agriculture; A. L. Clapp, professor of agronomy, and H. D. Holmbeak, assistant in agronomy, all of Kansas State College.

Some hybrids which have given high yields in eastern Kansas are Jewett 11, National 134, Mo. 47, U. S. 13, U. S. 35, Pioneer 332 and Funk G-94. The final selection, however, should take into consideration other qualities besides yield.

FIVE EASTERN REGIONS

The eastern half of the state is divided into five regions for the tests. Three districts lie along the eastern border of the state and extend west about four counties. The rest of the east half of the state is divided into a north and a south district. Two test fields were established in each district and each variety was replicated five times in each field.

The tests include a comparison of many corn hybrids and many open-pollinated varieties on the basis of yield, suckers, ear height, ear size, maturity, shelling percentage, test weight, resistance to lodging, drought, disease and insects. Entrants may have a high yield, yet lack other desirable characteristics.

ONLY SECOND YEAR

Since this is only the second year for these tests, the records are not yet as reliable as those obtained over a longer period of time. Climatic conditions vary from year to year, causing shifts in the results.

Over a period of years the most desirable varieties have been those in which the individual plants varied considerably in date of pollination. Hybrid corn tends to be more uniform, resulting in a shorter period of pollination.

Better results can be expected if the corn acreage is planted to three or four hybrids of varying maturity and if the date of planting is spread over several weeks, according to Mr. Jugenheimer. This mixture eliminates having the entire field destroyed by a few days of hot, dry weather when all plants are pollinating.

ZAHNLEY RECOMMENDS TESTS FOR THIS YEAR'S SORGHUM

Any seed intended for planting should be given experiments for germination.

Any sorghum seed which is intended for planting this year should be tested for germination, advises J. W. Zahnley, associate professor of agronomy.

Because of a wet fall, a large proportion of the sorghums in the eastern half of the state was not threshed as early as usual, but stood in shocks through a considerable amount of damp weather followed by freezes, Professor Zahnley said. Seed that has been exposed to such weathering doesn't germinate as well as seed threshed and stored in a dry bin earlier in the fall, he explained.

As a result of germination tests conducted at the state seed laboratory this year, it was found that Kafir seed has a slightly lower average germination than have the other sorghums.

Facilities at the state seed laboratory are taxed beyond capacity and as a result it will be impossible to obtain tests there in the near future, Professor Zahnley said. Farmers and seed dealers are urged to test their own seed in so far as possible. Directions for conducting these tests can be obtained by writing to the State Board of Agriculture for "Seed Testing Primer," published recently.

Hill to Talk at Forum

Dr. Howard T. Hill, head of the Department of Public Speaking, is to speak at the student forum Wednesday at 12:20 p. m. in Recreation Center. Doctor Hill will speak on "How to Strengthen Democracy."

Milling Seminar Elects

New officers elected at the milling seminar meeting held February 20 included: Eugene Woolley, Osborne, president; Johnny McCammon, Americus, vice-president; John Prager, Irvington, N. J., secretary; Don Fleming, Ottawa, intramural athletics; Joseph Skaggs, Leavenworth, sergeant-at-arms. Election of officers for the milling seminar is held each semester.

TOPEKA CAPITAL WRITER DISCUSSES LEGISLATURE

Milton Tabor Tells Journalism Students Procedure Whereby Bills Become Laws

The procedure whereby bills are converted into laws was described Thursday afternoon when Milton Tabor, editorial writer for the Topeka Daily Capital, spoke to more than 100 journalism students at the weekly seminar.

He explained the many points of legislative technique required to get a bill through both Houses of the Legislature and to the governor for signature.

In describing more complex legislation, Mr. Tabor said one of the more important bills now in the Legislature is the problem of redistricting the state. He explained that it would be necessary for some groups of counties to become a part of another district.

The speaker described many political practices in redistricting a state, which makes that type of legislation all the more difficult. If the state is not divided according to the number of sections required, Mr. Tabor said, the congressmen will be elected from the state as a whole.

At the close of his discussion of the State Legislature, the writer opened the meeting for questions from the floor.

ANNUAL Y ORPHEUM PROGRAM TO BE GIVEN THIS WEEK-END

Seven Organizations Will Compete for Two Trophies in Long and Short Stunts

The 21st annual Y Orpheum, stunt program sponsored by the YMCA, will be next Friday and Saturday. Seven organizations will compete either in 15- or seven-minute skits. The group that has the best stunt in each long and short competition will receive a trophy.

Dress rehearsals for the performance are Wednesday and Thursday nights. Bill West, Hiawatha, student business manager for Y Orpheum, said this week that all the acts, Pi Beta Phi, Chi Omega, Alpha Xi Delta, Delta Delta Delta, Phi Delta Theta, Sigma Phi Epsilon and Independent Student union, are progressing satisfactorily.

Among the special numbers will be a marimba solo by Frances James, an overture by Matt Betton's band and the Girls' Glee club's interpretation of "Spanish Nocturne" under the direction of Edwin Sayre, assistant professor in the Department of Music.

Judges for the acts have been chosen but their names will remain unknown until after the final performance.

Norman Webster, instructor in the Department of Public Speaking, is faculty director of this year's show.

CONFERENCE WRESTLERS HERE FOR BIG SIX MEET

FIRST-ROUND MATCHES TO START FRIDAY EVENING

Glenn Duncan, St. Francis, Wildcat Captain, and Sam Linn of Iowa State Are Favored to Repeat as Champions

Two defending champions, Glenn Duncan of Kansas State College and Sam Linn of Iowa State college, will battle to retain their crowns in the annual Big Six conference wrestling tournament at Kansas State College Friday and Saturday. Both are favorites to repeat.

First-round matches are scheduled for Friday evening, with the finals and consolation bouts to be held Saturday afternoon.

IMPRESSIVE RECORD

Duncan, St. Francis, captain of the defending championship Kansas State squad, will seek to repeat as 145-pound champion. He has lost only two of 13 matches this season, competing in both the 145- and 155-pound classes.

Linn dropped only one decision in Iowa State's first eight matches.

The two runnersup of 1940 also will come to the 1941 tournament favored to carry off first-place prizes. Leland Porter, Dellvale, of Kansas State College, undefeated in 13 matches, will seek the 155-pound title, and Iowa State's Ray Stone, who has won seven bouts and wrestled to one draw, will seek the 128-pound championship.

THIRD-PLACE WINNERS

Three third-place winners of last season, all from Nebraska, will bid for higher honors. They are Milton Kuska, 121 pounds; Newton Copple, 145 pounds, and Ed McConnell, 128 pounds.

The complete list of Kansas State entries and classes are:

121-pound, Clifford Case, Coldwater; 128-pound, Bob Dunlap, Liberal; 136-pound, Jim Vavroch, Oberlin; 145-pound, Glenn Duncan; 155-pound, Leland Porter; 165-pound, Jerald Porter, Dellvale; 175-pound, Warren Boring, Kansas City; heavyweight, John Hancock, St. Francis.

'HOPPER EGG SITUATION

(Continued from page one)

tor in determining the extent of the 'hopper menace this year. However, control methods must be taken now to insure protection. If the weather is damp and cold, many of the 80 percent of the hopper eggs that hatch may be expected to die. If the weather is just damp or just cold, a smaller decrease in the grasshopper menace may be expected. If the climate is warm and dry during this period, the number of 'hoppers may be near an all-time peak in the infected western Kansas counties. The menace of grasshoppers seems to be relatively unimportant in the eastern half of the state, it was said.

To Preview Arbor Day

In a preview of Arbor day possibilities, Kansas State College horticulturists will broadcast a program on landscape plantings for Kansas on the KSAC Farm hour, March 13, at 12:30 p. m.

Host to Wrestlers



B. R. (Pat) Patterson, above, Wildcat wrestling coach, will be host at the Big Six conference wrestling tournament on the campus Friday and Saturday. Kansas State College's team will be the defending conference champions.

WILDCAT SWIMMERS TAKE SECOND IN BIG SIX MEET

Tank Team Noses Out Nebraska by One Point After Cornhuskers Are Disqualified in 400-Yard Relay

Edging out the University of Nebraska swimming squad by one point, the Kansas State College tank team picked up 45 points to take second place in the Big Six swimming meet at the University of Nebraska last Saturday. The Iowa State Cyclones, defending Big Six champions, won the meet with 52 points.

The Wildcats placed first twice during the meet. Both firsts were made by Marshall Stover, Manhattan, distance swimmer, who won both the 440-yard and 220-yard free-style events. Stover swam the 440 yards in 5:36.4 and covered the 220-yard distance in 2:26.6.

Leo Yeo, Manhattan, Wildcat dash man, accounted for a second and a third place during the meet, as did C. W. Lamer, Hays, a distance swimmer. Lou Novak, Herington, placed third in the diving competition.

During the 400-yard relay, the final race of the day, Nebraska was disqualified for crowding an Iowa State man on the third lap. Had the Huskers won the race, they would have tied with Iowa State college for the championship. As a result of the officials' ruling, Kansas State College received second place in the meet.

ALFALFA AND GRASS SEEDS LISTED FOR 4-H PROJECTS

M. H. Coe, State Club Leader, Announces 18 Programs Are Open

Growing of alfalfa and of grass crops for seed is being considered by many a 4-H club boy in Kansas. Plans for these two new crops projects are announced this week by M. H. Coe, state 4-H club leader. Eighteen projects are now available for 4-H club use in Kansas.

Suggestions for the new projects were prepared by E. A. Cleavinger, crops specialist of Kansas State College Extension service. Both projects have been planned for a two-year period. During the first year, the field is selected, soil treated, seedbed prepared and stand established. In the second year, the work centers around proper managing, harvesting and disposing of the crop.

"Addition of one of these projects will give a more rounded program of farm operation for some of the older 4-H boys," states Mr. Coe. "There is also a good possibility for profit. The alfalfa project requires the growing of at least two acres of alfalfa. In the grass seed production project, each member must grow at least one acre of tame grass. This might include brome, meadow fescue, red top, timothy or other adapted variety."

Atkeson Joins Fraternity

Prof. F. W. Atkeson, head of the Department of Dairy Husbandry, became an associate member of Farm House fraternity during initiation services at the chapter house Sunday afternoon. Professor Atkeson was graduated from the University of Missouri, and received his master's degree from Kansas State College. He holds memberships in the honorary fraternities of Alpha Zeta, Phi Kappa Phi, Sigma Xi and Gamma Sigma Delta.

WILDCAT CAGERS FINISH FIFTH IN BIG SIX RACE

BASKETBALL SQUAD LOSES FINAL GAME TO IOWA STATE

Team Wins Contests from Oklahoma, Missouri and Nebraska, Losing Other Seven; Margin of Winning Scores Was Small

The Kansas State College basketball squad rounded out a season of close games when it lost to the Iowa State college quintet, 36-33, at Ames on Saturday night. The Wildcats ended the season in fifth place in Big Six conference standings.

After holding a 21-16 lead at half time, the Cyclones came out in the second period to meet a determined Wildcat five that soon cut their lead to only two points. With three minutes left in the game, Chris Langvardt, Kansas State center from Alta Vista, tied the game at 31-all with a bucket from the field.

WIN THREE GAMES

Seconds later, Budolfson again put the Iowans in the lead with a field goal. Dekoster followed with another before Langvardt again scored. The Cyclones then slowed up the game until the final seconds. Just as the whistle sounded, a Wildcat foul was committed against Schneider, who converted to make the final score 36-33.

The Wildcats finished the 1941 season with a record of three Big Six victories and seven losses to finish in fifth place in the conference. After a slow start against Nebraska in the first game of the season, which they lost 33-23, the Wildcats turned in a surprise victory over the favored University of Oklahoma and another triumph over the Huskers in a return game.

The University of Kansas Jayhawkers then came to Nichols Gymnasium to win 46-41. From that time on, the Kansas State team was able to win only one game, a 34-24 triumph over the University of Missouri Tigers in their initial meeting of the season.

ARE SCRAPPY FIGHTERS

Despite their small number of victories, the Wildcats were the losers of most of their games by only a few points. In their first game against the Huskers, the Kansas State squad was behind 10 points when the final gun sounded. No other conference team defeated the Wildcats by so great a margin. Several of the games were lost by two points or less.

INDOOR TRACK TEAM ENDS IN SIXTH PLACE IN MEET

Ed Darden, Manhattan, Takes Third in 60-Yard High Hurdles

The Kansas State College indoor track team, scoring a total of six points, finished last in the Big Six conference meet in the Municipal auditorium at Kansas City, Mo., last Saturday.

The University of Nebraska won the meet with 47 points, followed by Missouri with 26 points. Kansas, Oklahoma and Iowa State college finished in third, fourth and fifth places, respectively.

Ed Darden, Manhattan, Wildcat hurdler, accounted for the most Kansas State points when he captured second place in the 60-yard high hurdles to annex three points. Gilbert Dodge, Dighton, finished in fourth place in the same event for another point.

The other two points were gained when the Wildcat mile-relay team finished in third place. The relay team was composed of Sam Johnson, Oswego; Wilfred (Bill) Burnham, St. Francis; Loyal Payne, Manhattan, and James Upham, Junction City.

Helps Plan National Meeting

Thomas Benton, Olathe, a sophomore in dairy husbandry, left Thursday night for Nashville, Tenn., to attend a meeting of the board of directors of the American Country Life association. Benton is national president of the Youth group of the association. The purpose of the meeting was to make plans and other arrangements for the national annual meeting of the association next fall in Nashville. Benton returned to Manhattan Monday.

Gets Job in Iowa

Reed Fleury, Manhattan, who graduated last semester in agricultural economics, has a position with the Equitable Assurance company. He is located in Iowa as a farm agent for the insurance concern.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Science makes it possible for man to exist with less work than formerly."

Will science reduce the work to be done so that men will scarcely have to work at all? Such a picture is painted by some people. This picture overlooks certain important facts.

One of these facts is that man ever seeks to bring the unknown within the known. Scientists worked long hours many years ago. Today they know much more and can do things much more rapidly. But they still work long hours, ardently endeavoring to push back the curtains of ignorance and to make the unknown the known.

Another fact is that man is never satisfied. When he gets what he wanted, he thinks of something else he would like to have.

Science reduces the time needed to obtain meat, bread, potatoes, clothing, houses and so on; but when man

gets these he wants education, time to explore the unknown, recreation, travel, good books, music, art and a thousand and one other things many of which his ancestors never dreamed of having.

Science makes it possible for man to exist with less work than formerly. But most men are not content with merely existing. They try to get the things that they do not have, to know the facts that they have not known and to do the things that they have been unable to do. As long as this characteristic of man persists, man will work—and many men will work eight, 10, 12 or more hours a day, driven by the ever-unsatisfied craving to have, to know and to do. If man loses this characteristic, he will sink to a level of self-satisfied complacency that will vie with a jelly-fish existence in contemptibility.

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Number 22

SENATE APPROVES BILL FOR SCHOOL BUILDINGS

LONG-RANGE CONSTRUCTION PROGRAM PROPOSED FOR KANSAS

Plans Include New Home Economics Structure, Fieldhouse, Student Hospital and Auditorium on Campus

The Kansas Senate Monday approved for passage a bill to provide funds for a 10-year building program for the five major state schools, including Kansas State College.

The measure, presented by Sen. Rolla W. Coleman, Mission, would levy a quarter-mill tax to finance such a long-range building program.

LIST PROPOSED BUILDINGS

If the measure is approved, the College might expect to complete the following buildings during the decade, according to a list read to the Senate by Senator Coleman.

New home economics building.
Completion of Waters hall and livestock pavilion.

Fieldhouse.

Completion of Engineering hall.

Completion of power plant.

Completion of Veterinary Hospital.

New Auditorium.

Student Hospital.

WOULD START IN 1943

Building would be started in 1943 when money from the quarter-mill levy, to be made in 1942, first becomes available. It was pointed out that the buildings would not necessarily be constructed in the order of listing. The State Legislature would retain full control of allocation of funds among the five schools.

The tentative building program for Kansas State College and the four other state schools was suggested by the State Board of Regents and was read by Senator Coleman during the Senate debate on the measure.

MAY BUILD MANAGEMENT HOMES

The projects contemplated in the new measure do not include funds which may be appropriated by the present Legislature for construction during the next biennium. A proposal to build home management houses is now pending, along with others.

Dr. Martha Pittman Named

Dr. Martha S. Pittman, head of the Department of Food Economics and Nutrition, has been appointed alternate to the collaborator for the Bureau of Home Economics of the United States Department of Agriculture on the advisory committee of the regional directors of the Federal Security agency of this region. Miss Flora Carl, nutrition specialist of the University of Missouri, was named collaborator. Doctor Pittman's appointment was made by Dr. Louise Stanley, chief of the Bureau of Home Economics.

GRADUATE STUDENT RECEIVES INDIAN DOLLS FOR USE IN STUDY OF ORIGINAL SIOUX LORE

Dakota Indian twin dolls arrived in Manhattan recently to be used by a graduate student in the Department of English for a study of original Sioux folklore.

Wenona, or first-born daughter, the winsome maiden from Indian doll-land, was escorted to Manhattan by her doll brother, Chaski, a noble brave, whose name signifies first-born son. They were sent by Miss Dorothy Faye Nation of Pittsburg to her cousin, Mrs. Elizabeth Heinz, 419 Leavenworth street. Miss Nation, a junior in high school, received the dolls nine years ago. The dolls came originally from Flandreau, S. D., where they were made by Mrs. Red Wing, a full-blooded Sioux, who is considered an authority in the art of making authentic dolls.

The bodies of the dolls are made of rags. The hair is of neatly braided strands of black yarn. Wenona wears no hair ornaments. The facial features of these dolls are formed of buckskin. Wenona's nose was formed

Kansas City Orchestra Here

The Kansas City Philharmonic orchestra will appear twice on the campus today in the College Auditorium. Students and townspeople may hear either the afternoon or the evening concert, or both, since they are not repetitious. The eight-year-old symphony orchestra's stop at Manhattan is a part of its annual tour of the Middle West.

L. E. HAWKINS DISCUSSES FARM PRACTICE CHANGES

Agricultural Seminar Hears Kansas City Chamber of Commerce Commissioner Advise Young Men

L. E. Hawkins, formerly a member of the staff at Oklahoma A. and M. college, discussed "Livestock Problems of the Southwest" at the agricultural seminar last week.

Mr. Hawkins, now agricultural commissioner for the Kansas City, Mo., Chamber of Commerce, told of the possibilities for young farmers to improve general farming practices.

He showed, by a series of charts, how agricultural production continues on an almost level plane, while the incomes of the farmer and the industrial worker tend to fluctuate with economic cycles. This results in the rise and drop in agricultural prices, for no more of the farm products can be sold than there is money with which to buy them, he said.

An asset may be made of the worn-out land of the Middle West by "restoring it to grass and using it for pasture instead of raising unprofitable cash crops year after year," Mr. Hawkins said.

After the speech, K medals were awarded to 27 students by Prof. C. W. Mullen, assistant dean. The awards are made annually to students for their participation on one of the six judging teams in the Division of Agriculture.

JOHN HELM, JR., TO TALK AT TWO ART CONVENTIONS

Professor of Architecture Will Attend Sessions at McPherson and Chicago

John F. Helm, Jr., professor of architecture, will speak at two art association conventions within the next few days.

Mr. Helm will be chairman of the discussion of fine arts at a conference on the preparation of high school teachers in colleges of liberal arts in McPherson Friday and Saturday of this week. The conference is sponsored by a committee of the North Central Association of Colleges and Secondary Schools.

Professor Helm also will preside at a session of the Western Arts association convention in Chicago, March 20. The subject of the discussion at which the Kansas State professor will preside is "Humanizing the Arts for Service Through the Universities and Colleges."

RADIO SHOW REHEARSALS ARE STARTED THIS WEEK

"GREEN GOLD" PROGRAM IS SET AT FT. RILEY

Story Tells How Kansas Prairie Was Plowed and Planted to Wheat During World War and Effect on State's Livestock Industry

Rehearsals started this week for "Green Gold," the radio show which will originate at station KSAC on the College campus and will be broadcast over the Blue network of the National Broadcasting company March 19 on the National Farm and Home hour.

The setting of "Green Gold" is Ft. Riley. The three main characters are lieutenants in the Army Air corps, according to H. Miles Heberer, associate professor in the Department of Public Speaking, who wrote the show's script and is its director.

TELLS OF KANSAS PRAIRIE

The story in the show tells how the Kansas prairie was plowed up and planted to wheat during the last World war and the effect this had on the state's soil and the livestock industry. After the war, the influence of the programs of the Extension division of Kansas State College on the planting of wheat fields back to grass and the raising of livestock again, is brought out.

The last part of the production depicts the College's activities, especially those pertaining to livestock.

ANNOUNCER FROM CHICAGO

The National Farm and Home hour program is a feature of NBC's Blue network. Everett Mitchell, regular staff announcer from Chicago, will come to Manhattan to appear in the show. An NBC radio engineer also will assist in the control room.

The cast of 14 men and six women will be announced Friday, according to Professor Heberer.

AG HONORARY SELECTS 49 STUDENTS, FACULTY

Gamma Sigma Delta Banquet to Be Held April 3 for Five College Instructors Along with Seniors

Forty-eight men and one woman were elected to membership in Gamma Sigma Delta, honorary society in agriculture and allied professions, at a meeting of the local chapter last week.

Membership in the organization is limited to faculty members, graduate students and seniors in the Division of Agriculture and related departments in other divisions. Seniors to be eligible must be in the upper 25 percent of their graduating class.

New members, who will be honored guests at a banquet April 3, include:

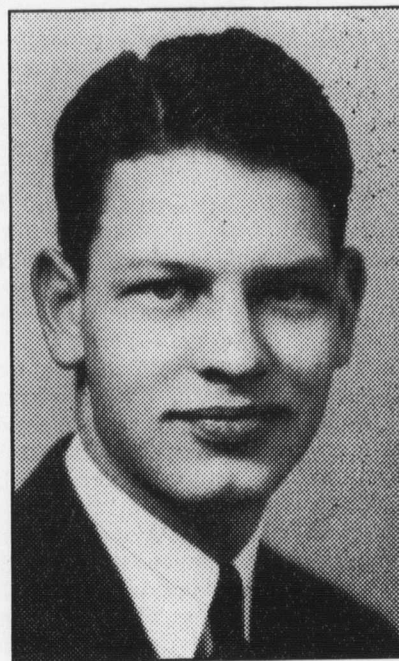
College faculty members: W. G. Amstein, associate professor of horticulture; H. Ernest Bechtel, associate professor dairy husbandry; G. H. Beck, instructor in dairy husbandry; C. O. Grandfield and H. D. Holmebeck, assistant agronomists.

Graduate students are John A. Johnson, Fargo, N. D.; Irene Monson, Osnabrock, N. D.; Charles J. Birkenland, Manhattan; Merritt I. Darrow, Leslie, Mich.; Walter Federer, Cheyenne, Wyo.; J. M. Koepper, Medora, Ind.; Ralph Peterson, Manhattan; Glenn Klingman, Chappell, Neb.; Robert W. Bray, Dodgeville, Wis.; Floyd E. Davidson, Parsons; Floyd A. Holmes, Prescott; Charles Good, Plevna, and Travis Brooks, Salina.

Seniors elected from the Division of Agriculture: George Cochran, Topeka; Emerson Cyphers, Fairview; Lloyd Jones, Frankfort; Glenn Busset, Manhattan; Henry Smies, Courtland; Paul Smith, Lebanon; James Booth, Fairview; Boyd McCune, Stafford; Leland Groff, Parsons; Frank Slead, Neosho Rapids; John Winter, Dresden; Doyle LaRosh, Natoma; Arden Reiman, Byers; Lindley Watson, Peck; Merton Badenhop, Kensington; Paul Brown, Sylvan Grove; Eugene Woolley, Osborne; Milton Manuel, Havensville; Dale Hupe, Perry; Orville Love, Neosho Rapids; Paul Sanford, Milford; Orville Bur-

(Continued on last page)

Open House Chairman



BERT SELLS

JUNIOR LIVESTOCK JUDGES CAPTURE FT. WORTH TROPHY

Team Is Fourth in Entire Contest with 19 Rivals from Other Colleges at Southwestern Show

The Kansas State College junior livestock judging team placed first in beef cattle judging at the Southwestern Livestock exposition at Ft. Worth, Texas, last week-end. In so doing, the team won permanent possession of a trophy. Kansas State College had placed first twice previously to win two legs on the beef cattle judging trophy which now goes to the College.

The Kansas State College team was fourth in the entire contest. Texas A. and M. college was first among the 20 college teams.

Of 100 contestants, Oscar Norby, Pratt, of the Kansas State College team was first in sheep, fourth in cattle and eighth in all classes. Conrad Jackson, Elsmore, was second in beef cattle.

Other members of the Kansas State team were Calvin Doile, Emporia; Norman J. Griffith, Clayton, and Max Dawdy, Washington. Richard Wellman of Sterling was alternate. Prof. F. W. Bell of the Department of Animal Husbandry was coach of the team.

The team returned to Manhattan on Tuesday.

To Discuss Ag Practices

A roundtable discussion between the Kansas Extension service district agents on the value of agricultural practices now being recommended by the experts will be featured on the KSAC Farm Hour program at 12:30 p. m. Tuesday, announced J. P. Chapman, assistant extension editor.

APPLE, ELM, HACKBERRY AND MAPLE TREES SHOULD BE PROTECTED FROM CANKERWORMS —Warns Doctor Parker

Apple, elm, hackberry and maple trees in the Midwest should be protected immediately from cankerworms, according to a warning this week by Dr. R. L. Parker of the Department of Entomology.

Doctor Parker explained that trees throughout the Midwest were subjected to unusually early severe freezing weather in November. These weakened trees, unless protected, will be heavily damaged, he predicted.

"The cankerworms were not killed by the subnormal November weather, since they are able to live normally in frozen soil. A few days of warm weather will cause the cankerworms to emerge from the soil in large numbers," Doctor Parker declared. "Since the females do not have wings they must crawl up the trees to lay their eggs."

Protection for the trees may be provided now by using the sticky trap bands on the trunks of trees to catch the wingless females, he said. If

OPEN HOUSE TO FEATURE ENGINEERING ACTIVITIES

WICHITA CITY OFFICIAL WILL BE ASSEMBLY SPEAKER

More Than 12,000 Visitors Are Expected to Attend 21st Annual Division Show; National Defense Will Be Theme

A flickering shamrock and a green zeon sign on the Engineering building will greet the visitors' eyes at the 21st annual Engineers' Open House Friday and Saturday.

The "electric eye" which counts the visitors is expected to record an attendance in excess of the 12,000 who attended last year. Many visitors from all sections of Kansas, including many high school groups, are expected to attend.

BROCKWAY IS SPEAKER

Opening the annual Engineers' Open House will be the College assembly at 11 a. m. Friday. Paul L. Brockway, city engineer at Wichita, and Matt Betton's orchestra will share the program. Mr. Brockway's address on "Plans and Specifications of an Engineer" will be followed by the orchestra, which will play a song written for the engineers by Matt Betton.

The Engineers' Open House received national recognition on a coast-to-coast network when Bob Strong, National Broadcasting company orchestra leader, devoted a portion of his "Uncle Walter's Dog House" program last night to the exhibition. Bob Strong, f. s. '23, and his orchestra will play for St. Pat's prom Saturday night.

The theme of the exhibition, which will have a "world's fair" appearance, is national defense. The display of airplanes to be in front of the Engineering building will carry this out.

OPERATE MIDGET ENGINES

Midget airplane engines will be shown in operation and will be displayed beside the latest commercial engines and the old World War I engines. The chronological development of propellers, from before War I to the present time, will be exhibited.

Lighting features of the 21st annual Engineers' Open House will be a colored water fountain and a sodium-vapor lamp. The fountain will be formed by two concentric rings of spray and a towering geyser of water on which four revolving drum floodlights will be turned. The sodium-vapor lamp made by the General Electric company will be an outdoor feature. It is the same type of which more than 1,000 lamps are used to light the San Francisco-Oakland bridge.

The central exhibit will trace the development of the bridge and highway from primitive times to the present. Models will show the develop-

(Continued on last page)

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKREY Editor
JANE ROCKWELL, RALPH LASHBROOK,
HILLIER KRIEGBAUM Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

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Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, MARCH 12, 1941

THE DEBT THAT WASN'T PAID

Recently a Kansas Citian who had grown wealthy in the grain trade died, leaving nearly \$2,000,000 to endow a library in Kansas City.

No doubt the library will be of great benefit to Kansas City and perhaps indirectly of some benefit to the territory surrounding Kansas City. Yet this disposition of almost the whole of a large fortune indicates a lack of appreciation of the sources from which that fortune came.

Certainly Kansas City deserves well of this citizen who had become wealthy as a powerful figure in its trading operations. His action in leaving his wealth for a community purpose shows that he was aware of his debt and attempted to take this means of discharging it. But there was another debt of which he was not apparently conscious and which there was no attempt to discharge. The Kansas City trade territory also deserved well of this man, particularly well since it furnished the golden flow of wheat and corn from which the fortune grew. He owed a debt to the farmers and the elevator operators and the millers and the railroad men of Kansas and to the hundreds of rural communities in which the wealth which makes Metropolis what it is, was produced.

This debt might have been discharged in many ways.

Suppose half the \$2,000,000 fortune had been given for use in Kansas City, and half to endow research in milling or agronomy or in developing new uses for farm products, at Kansas State College? Or suppose the money had been divided among the various associations which devote their slender resources to improving the seed used for growing grain in Kansas? It might well have gone to furnish scholarships to the hundreds of farm boys and girls who either cannot go to college for advanced training and opportunities, or are having a hard struggle to make ends meet while at college! Or think of the tremendous benefit to be furnished from a proportionate share of a million-dollar bequest distributed among the libraries of the five state schools of Kansas!

A gift for any one of these purposes might well be returned to Kansas City a hundredfold in a generation.

A Kansas Citian has been used as an example, but Kansas City is indeed generous in her remembrance of her debt to and dependence on the surrounding country, as compared to metropolitan areas farther away. Each year the great trade and manufacturing centers absorb hundreds of trained graduates of Midwestern colleges, but substantial gifts for the support of the institutions which furnish that training are still so rare as to furnish items of major news interest when they occur.

It is a wise as well as a wealthy and generous man or community that knows the sources of well-being and helps to replenish them when opportunity offers.

THE PRESS AND AGRICULTURE

There is a broad realization, among those in charge of newspapers, and among other groups as well, that the sort of country we have in coming generations will depend a great deal upon the sort of national agricultural policy that the United States adopts. This policy, in turn, depends in

large upon how adequately the American press informs its readers, in the cities as well as on the farms, about agricultural developments. From the standpoint of the general welfare, it is important to have news about farm policies achieve two broad results, one among consumers in the city and the other among farmers out in the country. It is to be hoped that the fullest discussion of agricultural problems, in the news, will make consumers more than ever conscious of their stake in agriculture; make them realize how their welfare, their earning power and their consuming power is linked to that of persons in agriculture. I think the broad consumer sympathy for the farmer and toleration of national policies that are definitely formed to lift prices can be attributed, in large part, to the fullness with which newspapers have treated information about the agricultural situation.

It is equally important that agricultural news carry to farmers information that will help them appreciate and understand how necessary it is to have agriculture pursue a program that can be reconciled with the general welfare and with national interest as well as with the interests of farmers as a group. Agriculture is a minority interest, even now, in the complex political organization of the government of the United States. Farmers will find it necessary, more and more, as the years go by, to take account of the sentiments of consuming majorities in the formulation of their own policies. Farm programs that do not square with the broader interests of the whole country will be swept away by a general resistance unless care is taken to reconcile these programs, as they are developed, with the general welfare.

It would be a real national calamity if consumers, unmindful of agriculture's basic importance in the national economy, develop class resistance to sound farm programs. A few cents on a pound of butter or on a cotton shirt is a small price for a city consumer to pay in order that the country may have an agriculture capable of supporting at an American standard of living the population groups now on the farm. Sooner or later, if those standards cannot be maintained, farm homes will turn into the ranks of city labor added millions of workers to burden the roles of the unemployed and compete for jobs with those already in urban areas. It would be a calamity, equally distressing, if farmers used pressure group power recklessly to obtain temporary gains irreconcilable with the general interest of the country. The fullest and the most adequate reporting of news about agriculture can help a great deal to avoid both of these disasters.—From an address by James Russell Wiggins, managing editor of the St. Paul Dispatch-Pioneer Press.

BIRD IDENTIFICATION BANDS

The practice of placing metal identification bands on the legs of captured birds, and then releasing them to trace their movements and learn other facts about them, was originated at the turn of the 18th century, and was adopted by John James Audubon, who used rings of silver for the purpose.

Today many thousands of persons—professional ornithologists, government officials, amateur bird lovers and others—engage in this practice on a highly organized basis. Bands of aluminum, bearing numbers and the notice, "Notify Biological Survey, Washington, D. C.," are supplied for the purpose by the United States Department of Agriculture.

Bird banders trap birds in cages built in such a way as to attract them in but prevent them from finding their way out. This is accomplished by means which will not injure the captured bird. The traps most commonly used are rectangular wire-mesh boxes with a funnel arrangement of wire on top, and bait inside. The bird easily enters through the wide end of the funnel, but the narrow end baffles it when it wishes to make its departure.

As a result of this widespread activity, ornithologists have been able to collect data answering such questions as "How long do birds live?" "When does their plumage change?" "How does their plumage change?" "Do birds return to the same spot for nesting year after year?" and countless other questions which arise in the study of the habits of birds. The percentage of "returns"—that is, in-

SCIENCE TODAY

By C. O. SWANSON

Professor of Milling Industry

One of the main differences between a higher and a lower civilization is the amount of time taken for the conversions of raw materials into products which serve human needs as well as those which contribute to the comforts of life. The more comforts which are made possible for all the people after the bare necessities have been met, the higher the material civilization. The more time it takes to produce the necessities of life, the less is left to produce those that contribute to the comforts.

The life of most people before modern inventions was endless drudgery, principally because of the large amount of time required to produce the bare necessities. Human muscle was the most available source of power and only those who could compel the services of others could enjoy leisure and comforts. When man discovered how to harness nature's forces, he made the first step toward having more time to produce enough beyond bare necessities so that more was available for the comforts of life.

The changes that have taken place in the milling of grain is one illustration among very many of what has taken place in the conservation of time. The first milling process consisted in crushing by impact or rubbing with stones. Sifting out the coarse outer covering came into use because people found that the inside of the grain tasted better when eaten by itself than when mixed with the outside. Before modern inventions it was only the rich and powerful who could afford to eat bread from sifted meal. Among Solomon's daily provisions were so many measures of fine-sifted meal.

The lowest classes of labor, slaves or prisoners were employed to labor at the grinding of grain. Samson was made to grind grain in prison. The maid behind the mill was placed in contrast to the prince in the palace. In the household of Odysseus,

dividual birds which have been banded and which return and are identified at experimental stations at the proper time (spring or fall) to establish facts about migration—is approximately 2 percent for most of the smaller birds. It runs as high as 25 percent on ducks. Birds have been sent by airplane from the East coast to California, and after being released there have found their way home over the Rocky mountains. Sometimes they have even made faster time coming home than a letter mailed simultaneously between the same points. One oddity revealed by the studies of banded birds is the "scandalous" conduct of some house wrens. The male wrens are not always perfect husbands—it has been discovered in several instances that one male sets up two establishments.—From Field Museum News.

Man can climb to the highest summits, but he cannot dwell there long.—Bernard Shaw.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Bruce Mather, '30, was employed as horticultural specialist for Atchison, Leavenworth and Doniphan counties, which were cooperating for the promotion of horticultural work.

Miss Emma Hyde, professor of mathematics and state president of the American Association of University Women, spoke at the annual dinner of the association's Pittsburg branch.

Mrs. Lucile Rust and Mrs. Laura Baxter, both of the Division of Home Economics, represented the College at the central regional conference of home economics educators in Chicago. Mrs. Rust was on the program, reporting on research studies that had been carried on at this College during the previous year.

TWENTY YEARS AGO

J. R. LaMont, '20, was instructor of vocational agriculture in the Decatur county high school, Oberlin.

Mrs. Mollie Smith Moser, '20, extension foods specialist, presented several addresses at the institute at Chapman.

J. W. Sanderson, '98, state representative from Chautauqua county,

the Greek prince of Homeric fame, the grinding of grain was assigned to 12 women, an eloquent comment on their social status. Because it usually fell to the lot of women to do the grinding in the ancient household, they had little time to spend on what makes the comforts in the modern home. "Two women shall be grinding at the mill."

The modern flour mill has made possible the production of a flour that in ancient times was not found even in the fine meal enjoyed by kings and queens. The flour that now goes into the kitchen of the railroad president is no better than the flour delivered to the wife of the track maintenance worker. The same may be said of bakers' bread. In spite of all the inequalities in modern life, this is one equality which really does exist.

In a large, modern flour mill, one barrel of flour, 196 pounds, is produced for every 12 minutes of man labor. This includes all the time required to unload the wheat, clean it, mill it, pack the flour and feed and reload into cars ready for shipment. The average annual per capita consumption of flour is now stated to be 157 pounds or considerably less than a barrel. This average includes all the people, children, old people as well as those in active life. Assuming a barrel per working adult, it means that the average man time required to mill a year's supply for such a person is about 12 minutes. That is, less time is now spent in milling a year's supply of flour for one working adult than the ancient housewife spent in crushing the grain used for the family for one meal. It is labor-saving devices like this as well as many others which have made it possible for the wife to become the modern homemaker. The modern high standard of living has been made possible by science, which is the foundation of the time-saving devices.

attended the 21st annual oratorical contest and the annual celebration of the Hamilton and Ionian Literary societies in joint session.

THIRTY YEARS AGO

R. R. Rees, '85, congressman from the fifth district, spoke in assembly on the subject, "Canadian Reciprocity."

"Psycho-therapy" was the subject of an address to the Methodist Brotherhood of Manhattan by J. W. Searson, associate professor of English.

R. S. Kellogg, '96, and E. C. Ziegler were authors of a bulletin published by the American Lumberman. The cost of growing timber was the subject of the bulletin. Mr. Kellogg was secretary of the Northern Hemlock and Hardwood Manufacturers' association.

FORTY YEARS AGO

Cora Ewalt Brown, '98, went to Chicago to take a three-month course of instruction on the harp at the Chicago Musical college.

The Domestic Science club of Manhattan at its regular meeting elected Miss Josephine Harper president and Miss Alice Rupp secretary. Miss Stover was elected a delegate to the State Federation of Women's Clubs.

J. G. Haney, '99, assistant in field and feeding experiments at the College and experiment station, resigned to take up his new duties as agricultural agent for the Chihuahua and Pacific Railway company, Chihuahua, Mexico.

FIFTY YEARS AGO

Doctor Mayo spent several days at the meeting of the State Veterinary association at Wichita.

Professor Walters lectured on the Louisville school course on "Non-Political Thoughts on Political Economics."

A number of students and former students took part in the Demorest Gold Medal contest at Manhattan. The prize was won by Miss Libbie Blachly, student in 1888-89.

SIXTY YEARS AGO

At the regular meeting of the Webster society, L. H. Neiswender was elected librarian.

Doctor Haigh, who was attending

the meeting of the Baptist Home Missionary society held in Manhattan, conducted the chapel exercises at the College and afterward gave a short speech.

The Educationalist for March carried the following articles: "The Skilled Observer," by President Fairchild, and "Our Neglected Studies," by S. C. Mason, f. s.

KANSAS POETRY

Robert Conover, Editor

TRANSIENCY

By Nina Hembling

All things fade away; an hour destroys;
And life itself an iridescent dream,
Passes fleetingly as childhood-toys
Or ships of leaves upon an ocean-stream.
A rose, a devastating hurricane,
Stay but a little while and then are gone—
A fragrance heavenly, a crucial pain
Like birth, or years, or certain passing on.

Who can but weep yet lift his voice in song?
A friendly all-receiving universe
Makes any needless tarrying here too long.
Ethereal waves out yonder may immerse
The soul in loveliness too deep for tears,
And wash from shores of time our cluttered years.

Nina Hembling of Emporia was the winner of the 1939 National League of American Pen Women poetry contest with her poem, "Tolerance," which was published in the 1940 issue of The Kansas Magazine.

SUNFLOWERS

By H. W. Davis

TIME TO PLACE YOUR BETS,
AMERICA

It's March all right. And the next time we flip the calendar it will be April all right. Or maybe we'd better say all wrong.

For, if records indicate much, April is our favorite month for going to war.

Consequently and solemnly, it's about time for America the Beautiful to decide whether she is gambling on the future with England or Hitler. We have now had a good season of congressional talk, if there is such a thing. We have jockeyed ourselves into a position where we are going to be on one side or the other—even if we so much as wriggle. There's no middle ground any more.

Our little problem is whether we wish a large share of the world turned over for the next generation or so to a victorious England or a victorious Hitler. It makes no difference whether we know or agree with England's methods and ideology or Hitler's methods and ideology. Whatever we do—even if it be only idly gawking and twirling our thumbs—is going to constitute a momentous decision, no matter what the intent may be.

Unlike Russia, we cannot look on and hope that two great antagonistic forces and two antagonistic ideas in the world will wear themselves utterly out in the combat. Russia may have reasons for wanting just that. Certainly we have none.

Maybe we had better turn off the oratory and turn on the brains. It's our time to think and think fast how pleased we could stay with a victorious Hitler or a victorious England for the next five, ten, fifty, or a hundred years. To that degree, at least, it is our fight; for we cannot conveniently get clear off the earth merely because we don't like the new setup when it comes suddenly and definitely into being.

I more than suspect that 90 percent of America would prefer to ride with a victorious England. Undoubtedly we shall have to risk war and all that war entails if we go into lease-lending with or without amendments and reservations. But that is nothing new. We have been risking war from the very beginning. We have never been actually neutral, and only our own interpretation of our own acts has kept us technically so. Does anyone suppose Hitler thinks we are or have been neutral?

The bloodiest summer the world has ever known seems to be in the offing. Our squirming and wriggling cannot possibly make it any less bloody, but maybe our making up our minds can. We might as well try it, anyhow—chiefly because we are going to have to.

AMONG THE ALUMNI

W. H. Phipps, B. S. '95, D. P. H., is dairy, milk, food and sales efficiency counselor for the National Dairy and Milk institute, Kansas City, Mo. This institute is a sales and educational service for dairy and milk plant organizations for the improved efforts of their own organization.

Edmund Secrest, B. S. '02, who received a doctor of science degree from Wooster (Ohio) college in 1938, is director of the Ohio Agricultural Experiment station at Wooster.

Ethel McDonald, D. S. '07, was for many years home demonstration agent in Alaska. Last fall she returned to the States and started graduate work at Columbia university, New York. She was appointed home demonstration agent in New York state to begin work there February 1, 1941.

Col. Guy C. Rexroad, M. E. '09, and Alice (Hazen) Rexroad, '09, are now at Headquarters F. A. at Camp Joseph T. Robinson, Ark.

"The Thirty-Fifth division of which my regiment, the 130th F. A., is a part is now mobilized here," Colonel Rexroad wrote. "Many of us have the flu, including yours truly. However it is mild like the weather. We had a snow last Thursday, which is about all gone today. We have a lot of good Kansans down here."

"Aikins and Lord are on my staff. Both are recommended for promotion to captains, and are brother Scabbard and Blade. Never thought of that when they were on the staff, but noted it last night at dinner. We have about 10 Kansas State officers in the regiment."

"Now have 67 officers. Will soon go war strength."

"We still have the Hiawatha band—it's as good as ever. There is a lot of hard work here. We have reorganized under regular army war strength tables. This expands the organization, and at present we have several second lieutenants commanding batteries."

K. K. Wyatt, Ar. '11, recently changed his address to 512 Fifth avenue, New York City. He is assistant to the vice-president of the American Locomotive company.

Sam M. Mitchell, Ag. '18, writes a brief story of his occupation since graduation in the spring of '18.

"I happened to be one of those chosen from the College to enter officers' training school, so went immediately from Manhattan to Camp Pike, Ark., where I entered the Fourth Field Artillery Officers' Training school," he said. "After about 30 days there, I was transferred to Camp Taylor, Louisville, Ky., where I received the commission of second lieutenant in field artillery, August 31, 1918. I was then sent to Camp Jackson, S. C., and received my honorable discharge from the army, December 8, 1918."

"After a year spent in Kansas City, Mo., I took charge of our farm in Franklin county, Ottawa, where I remained until I was elected secretary of the Kansas State fair, January 15, 1937. I was married August 22, 1922, to Helen Tussing of Ottawa. We have two daughters, Eleanor Louise, a student in Hutchinson junior college, and Marjorie Ann, who is in junior high school in Hutchinson."

Michael E. Ptacek, Ag. '22, and Jean (Hanna) Ptacek, G. S. '22, Abilene, have two children—Jean Alice, 12, and Michael George, 10. Mr. Ptacek is head of the farm management department of the United Trust company.

Ralph M. Crowell, f. s. '23, with his wife and daughter, called at the College Alumni office last fall. Their home is in Salt Lake City. Mr. Crowell is dispatcher for the Utah Power and Light company.

Ferris F. Kimball, f. s. '24, is manufacturer's distributor for the Piblico Jointless Firebrick company, 1015 Mulberry street, Kansas City, Mo. He and Ruth (Miller) Kimball have a son, Ferris Robert, 5. Their home is at 948 Cleveland, Kansas City, Kan.

A. A. Potter, Doctor of Engrg. '25, dean of engineering at Purdue university, was awarded the Lamm

medal June 27 at the annual meeting of the Society for the Promotion of Engineering Education "to a chosen advancement of the art of technical training." The presentation was made at Berkeley, Calif.

He is author of a number of books on power engineering, thermodynamics and farm motors and of many scientific papers and articles. He has served as advisory editor for Ginn and company; on the editorial advisory board of Industrial Power; on the editorial and educational advisory board of National Engineer, and as chairman of the advisory committee for "Who's Who in Engineering." Dean Potter has served as a consulting power engineer for more than 27 years.

In the service of the government, Dean Potter has served as associate member of the United States Naval Consulting board, 1917-19; director, Industrial Preparedness for the State of Kansas, 1917-18; district educational director, War Department Committee on Education and Special Training, 1918-19; consulting expert, United States Bureau of Education, 1928 and 1931; consultant, National Resources committee, 1936 and 1938.

Charles E. Burt, G. S. '26, M. S. '27, is professor of biology at Southwestern college, Winfield. He and May (Danheim) Burt, '25, live at 209 Massachusetts street, Winfield.

Harold M. Scott, M. S. '27, is head of the Poultry department at the University of Connecticut, Storrs. Professor Scott received his doctor of philosophy from the University of Illinois in 1938.

Esther Snodgrass, H. E. '28, is teaching home economics at an Indian Day school on the Rosebud reservation, Parmalee, S. D. She has been with the government Indian service since September, 1938.

Cecil E. Hammett, E. E. '29, is an officer with the U. S. Army Reserve corps. He is now engaged in the development of the cannon. He and Ruth (Avery) Hammett, f. s. '30, have two children—Robert Edgar, 10, and Carolyn Virginia, 7. He sent to the College Alumni office a copy of his professional record. After getting his degree from Kansas State College, he received a master's degree from the University of Nebraska, attended Armour Institute of Technology in Chicago and University of Michigan in Ann Arbor for work on a Ph. D. degree.

He had a teaching fellowship at the University of Michigan. He was Dr. T. C. Poulter's assistant in the design of the antarctic snow cruiser built by the research foundation of Armour Institute of Technology for use at the south pole.

Richard K. Dickens, I. J. '31, visited the College Alumni office last October. He is division manager of the American Tobacco company. His territorial division is Missouri and Iowa. He lives with his wife, Theresa (Florell) Dickens, f. s., at 4524 Roanoke parkway, Kansas City, Mo.

Vernon L. Carter, C. E. '34, is engineer for the Kansas Highway commission. His address is 505 West Iron, Salina.

Clifford L. Harding, Ag. '35, is county supervisor for the Farm Security administration at Iola. He lives at 308 North Sycamore.

Jessie Rowland, H. E. '36, was married June 5 to James H. Andrews of Kansas City, Kan. Their home is at 1432 South Twenty-Ninth street, Kansas City.

Lyle M. Murphy, Ag. '37, M. S. '39 at Michigan State, is research assistant at Rhode Island State college, Kingston.

Charles P. Olomon Jr. is employed as a field man for the Holly Sugar corporation. He supervises the growing and harvesting of sugar beets. His address is at Hawk Springs, Wyo.

V. Eugene Payer, Ag. '39, and Frances (Loomis) Payer, f. s. '39, are at 205 East Madison, Yates Center. Mr. Payer recently has been appointed county agent there.

I. Kieth Harrison, Ag. '40, is a junior clerk in the division of farm management and costs, Bureau of Agricultural Economics. He resigned a temporary appointment in the Census bureau to accept this appointment. His supervisor now is R. S. Kifer, Ag. '23, who has charge of farm management research projects in the Great Plains area. Mr. Harrison may be addressed at 1730 Seventeenth, North, Arlington, Va.

LOOKING AROUND

KENNEY L. FORD

Legislative Musings

All Kansas Legislatures are conservative when it comes to appropriating money for education. Old age is winning the battle with youth for the taxpayer's dollar.

Kansas State College is like a boy that has outgrown his clothes. We need everything. More money for salaries, maintenance and repairs. A Student Union building, three home economics practice houses, a girls' dormitory, 4-H club-fieldhouse and armory. The horticulturists want orchard land, the livestock men an up-to-date animal husbandry barn. The power plant needs enlarging.

Every session brings a few bills, friendly and unfriendly, to the Division of College Extension. The millers of Kansas wish to establish a laboratory for testing wheat and flour at Kansas State College. Some of our alumni have sent in most helpful letters and telegrams in behalf of the College.

Kansas State College certainly has a host of friends in the Legislature and out. We never get all we want nor what we really need, but when the session is over we will have just what the representatives of the people of Kansas honestly think we should have.

Seven alumni and friends of the College, including three ladies, are giving voluntarily of their time in visiting with members of the Legislature, explaining certain needs of the College. They deserve our sincere thanks.

Utah Alumni Dinner

Alumni in Utah met February 15 at the home of Walter L. Latshaw, M. S. '22, and Margaret Latshaw for a dinner typical of those made famous by Glen Sawyer, '24. Mrs. Latshaw wrote the following report of the meeting:

"Glen, '24 graduate, lives at a fisherman's paradise in Oneida Canyon, Idaho. This is one place where you can both see and catch trout—all the trout you wish. The only limitation is the state game laws, so we didn't have trout because the season has not opened, but we did have a fish fry with all the trimmings. Our only disappointment was that the honor guest, Glen, because of trouble at the power station where he works could not be with us."

"Thirty-two were present including alumni, former students and their wives or husbands—Ralph Crowell, f. s. '23, and Mrs. Crowell; Ralph Jennings, '22, and Mrs. Jennings; Maj. Elmer Young, '25, and Ethel (Wood) Young, f. s.; Major and Mrs. Nichols and his brother, Captain Nichols; Arty Clark, f. s. '27, and Mrs. Clark; Orville Longfellow, f. s. '23, and Mrs. Longfellow; Olga (Raemer) Totten, '11, and Mr. Totten; Henry Melcher, '24, and Mary (Capper) Melcher, f. s. '22; Mrs. Capper, mother of Mrs. Melcher; Dr. Harry Frazier, '31, and Mrs. Frazier; William R. Bolen, '16, and Mrs. Bolen; Miss Bolen, sister of William visiting from Le Roy; Lila Canavan, '29; Rhea Gibson, '31; Mr. and Mrs. E. J. Weeks; Mr. and Mrs. Edgar Bailey, and the hosts, Mr. and Mrs. Latshaw, and their son, Walter Jr., who is now a freshman at the University of Utah."

"At the business meeting which followed, Mrs. Henry Melcher, f. s. '22, was elected president. Mary has served since our beginnings as secretary-treasurer and has been a marvel at conserving our meager funds, so we feel her election as president is a just reward. Mrs. Ralph Jennings was elected secretary-treasurer."

"The remainder of the evening was spent playing cards and prizes were awarded Ralph Crowell and Mrs. Ralph Jennings."

MARRIAGES

HURST—NELSON

The marriage of Lena Marie Hurst, '39, to Glenn Nelson, '40, took place August 4. In December, Mr. Nelson received a civil service appointment in Honolulu as a civil engineer draftsman. The couple's address is 1947 Ali Wai boulevard, Honolulu, T. H.

MUELLER—POCOCK

Marie Lillian Mueller was married to Dale F. Pocock, C. '33, October 19. Mr. Pocock is secretary-treasurer of the Mode Krome Manufacturing

corporation, and a member of the board of directors. Their home is at 3745 Lindell boulevard, St. Louis, Mo.

SHAFFER—MC CALL

Thelma Eileen Shafer, Georgetown, Ohio, and Robert J. McCall, Ag. E. '39, were married September 26. They are now at home at 143 East Frambes avenue, Columbus, Ohio. Mr. McCall is an assistant in agricultural engineering at Ohio State university in Columbus.

ESCALANTE—CRIBBETT

Ofelia M. Escalante and James R. Cribbett, I. C. '33, M. S. '34, were married January 28. Mr. Cribbett is a federal food and drug inspector with the United States Food and Drug administration, 222 United States Customhouse, New Orleans, La. Their address is 1442 Toledano, New Orleans.

GALLINA—SIMPSON

Delia Gallina and William Philip Simpson, C. E. '34, recently sent an announcement of their marriage January 11. Mrs. Simpson, a graduate of New York university, writes that their permanent address is at 1834 Eighty-Fifth street, Brooklyn, N. Y. Lieutenant Simpson is with Battery O, Fourth C. A., Ft. Amador, Panama, Canal Zone.

WILLIAMS—PITTS

In a letter to Prof. R. J. Barnett, Staley Pitts, Hort. '39, writes of his wedding last year and honeymoon, which included the Rose Bowl game at Pasadena. His marriage to Margaret Williams of Ness City was December 21. Mrs. Pitts is a graduate of Fort Hays Kansas State college. Their home is at Newton, where Mr. Pitts is teaching and coaching in the city high school.

SHAFFER—ROOKS

The marriage of Donna Shafer, f. s., and Myron Rooks, I. J. '39, was January 19. After attending Kansas State, the bride went to the Kansas City Art institute, where she graduated last spring. Mr. Rooks, a member of Sigma Alpha Epsilon, is a licensed pilot and flies his own plane. He is associated in business with his uncle, Fred Rooks, of the Rooks Sales company. Their home is at 1110 Pierre, Manhattan.

MOON—HARRY

Margaret Louise Moon, P. E. '39, became the bride of Lieut. Sidney L. Harry, f. s. '40, Ft. Sam Houston, Texas, November 24. Mrs. Harry attended Kansas State Teachers' college at Emporia before coming to Kansas State College. She taught school for a time at Peabody. She is a member of Kappa Kappa Gamma, social sorority. Lieutenant Harry attended Wentworth Military academy and Kansas State College. He is now on duty at the army base at Ft. Sam Houston. The couple are at home at 126 Harrigan court, San Antonio, Texas.

DEATHS

STANSBURY

Ethel Clarine (Morton) Stansbury, H. E. '39, died at her home, 521 North Tenth street, Manhattan, February 17, after an illness of about two years. Mrs. Stansbury was the wife of Lieut. Alfred Stansbury, Fort Riley officer, who made his home in Manhattan. She was a member of the Phi Omega Pi sorority. Surviving are her husband, her father and four sisters. The body was taken to Coldwater, where she had lived before coming to Manhattan.

Kansas State College Recordings

"Alma Mater" and "Wildcat Victory" by the Kansas State College Men's chorus and

"Roll on, Kansas State" and "Shoulder to Shoulder" by the College band

All four of the above songs so dear to Kansas State College students and alumni recorded on one standard phonograph record will be mailed anywhere in the United States for \$1 each. Alumni in foreign countries should add the necessary additional postage.

If you wish one of these records for your home or alumni meeting, fill out the following order blank and mail to the Kansas State College Alumni association, Manhattan.

- ☐ Inclosed find \$1 for one K. S. C. recording.
☐ Inclosed find 15c for one printed copy of "Wildcat Victory."

Name

Address

RECENT HAPPENINGS ON THE HILL

Prof. L. E. Conrad, acting dean of the Division of Engineering and Architecture, will address the Kansas Highway Engineering conference in Topeka Thursday.

Dr. Harold Howe of the Department of Economics and Sociology is serving this week as one of the staff lecturers in a series of district extension schools in Iowa.

Nine members of Alpha Phi Omega, honorary service fraternity, have volunteered as free-blood donors in case their type is needed. Their blood was typed this week at St. Mary hospital.

Senior students already have begun to take their health examinations. The Department of Student Health offers all graduating students an opportunity to have their physical conditions checked.

Approximately 150 delegates from 20 county rural life clubs and the Emporia and Pittsburg collegiate 4-H clubs are expected to meet with the Kansas State College 4-H club Thursday for the seventh annual Rural Life association conference on the campus, according to 4-H club members.

Robert W. Reed, news editor and military commentator for the Kansas City Star, will speak at a journalism lecture Thursday. He will discuss the handling of news from abroad and sources available to him for his comments on the international military situation. Mr. Reed is a major in the army reserve.

One thousand students voted in the Independent party primary election for Student Council members Friday. This is the largest number known to have voted in a primary ballot at Kansas State College. Results of the election will not be announced until the winning candidates' eligibility has been checked.

Mary Griswold, Manhattan, was elected president of the College YW-CA last week. Miss Griswold, a member of the Y cabinet for the past three years, and other newly elected officers will be installed March 23 at the Episcopal church. Margaret Bayless, Wakarusa, was chosen vice-president; Martha Ann Pattison, Manhattan, secretary, and Dorothy Beezley, Girard, treasurer.

BIRTHS

Arthur J. Groesbeck Jr., f. s. '34, and Mrs. Groesbeck are the parents of Arthur Jerome III, born January 21. They live at 1720 Poyntz in Manhattan, where Mr. Groesbeck is in the investment business.

Twin daughters born to Edward A. Murphy, '36, and Louise (Ratloff) Murphy, '36, on February 9, have been named Jaquette and Jeannette. The Murphys have one other daughter, Patricia. Mr. Murphy is with the United States Bureau of Animal Industry at Omaha.

Harold Davies, '37, and Marie (Antrim) Davies, '34, announce the arrival of Marian Marie, February 3. The Davies live at 2921 North Twenty-Sixth, Kansas City, Kan. Mr. Davies is county club agent in Wyandotte county. Before their marriage in 1939, Mrs. Davies was home demonstration agent in that county.

FULTON OATS IS FIRST IN 1940 VARIETY TESTS

"SPECIAL RED" CLASSIFICATION TO BE ESTABLISHED

Selection First Distributed by Experiment Station in 1938 Makes Top Yields in Both Eastern and Central Parts of State

Fulton oats, a selection first distributed by the Kansas Agricultural Experiment station in 1938, made the top yields in both the eastern and the central parts of the state, in the cooperative oat variety tests. Results of the tests were released recently by Prof. A. L. Clapp, supervisor of the experiments.

Kanota, the principal variety of oats now grown in Kansas, made the second highest yields. The weight per bushel of Fulton oats is usually slightly higher than that of Kanota. The Fulton kernel is light reddish and goes into the present federal "Red Oat" grade.

WILL HAVE NEW FEDERAL GRADE

Beginning July 1, 1941, a new federal grade for oats will be in effect, this new grade to be known as "Special Red Oats." Columbia, a high-yielding, early-maturing variety, will come under this new grade and College agronomists hope that Fulton also will be so classed.

The Chicago Board of Trade will accept "Special Red Oats" at the same price as white oats, while the old class of "Red Oats" is bought and sold on the market at a discounted price.

Fulton oats matures slightly earlier than Kanota. Fulton may also be planted later than Kanota and still make a good yield, but for best results it should be sown at the regular oat-planting time, which this year will be as soon as the fields are dry enough to work. Fulton is resistant to most of the races of smut now prevalent in Kansas.

THREE BARLEY VARIETIES

Three varieties of spring barley were grown in the cooperative spring barley test plots. These were Flynn, Vaughn and Common 6-row or Stavropol. The tests were located in 28 counties in both the northern and southern parts of the state. Reports were made on tests in all 28 counties. Flynn, a new variety with smooth heads, made the top yield. Vaughn made only slightly lower yields and Common 6-row made distinctly lower yields. Vaughn is characterized by stiff straw, and is a relatively new variety, not yet approved for increase and distribution.

The Kansas Agricultural Experiment station conducts these tests on a cooperative basis with farmers, county farm bureaus and vocational agricultural schools. Experiment station agronomists who directed the variety tests last year included A. L. Clapp, H. D. Hollembeak and C. D. Davis.

FRATERNITIES ANNOUNCE 27 STUDENT PLEDGINGS

Dr. Harold Howe, Faculty Sponsor, Gives Out 13 Organizations' Lists

Thirteen fraternities announced the pledging of 27 men recently through the office of Dr. Harold Howe, faculty sponsor.

The fraternities and their pledges: Acacia—Don Rousey, Horton; Joe Rowlen, Eskridge; Gordon F. Boy, Raymond; William Peycke, Alta Vista. Alpha Gamma Rho—Burton DeBaun, Wakarusa. Beta Theta Pi—Charles Holtz, Manhattan. Delta Sigma Phi—Garold Way, Wichita; Allen Smoll, Wichita; Rufus Vawter, Coffeyville.

Farm House—Robert Arbutnot, Morrowville; Howard Carnahan, Parsons; Robert Randle, Riley; Norman Whitehair, Abilene. Kappa Sigma—Max Dawdy, Washington; Jack L. Mustard, Abilene; Charles Thompson, Westphalia. Phi Delta Theta—Kemble Sitterley, Kansas City. Phi Kappa—William J. Pfrehm, Moline. Phi Kappa Tau—Verl Baumann, Atchison.

Sigma Alpha Epsilon—Richard Hensley, Salina; Larry Woods, Kansas City, Mo. Sigma Phi Epsilon—Donald M. Hunt, Manhattan; Milton Kingsley, Formoso. Tau Kappa Epsilon—Dale Rake, Tecumseh; Ralph Bemis, Plainville; William H. Cochran, Salina. Theta Xi—Warren Hicks, Moline.

High Average Mineral Yield

The average value of minerals produced in Kansas each year is about \$125,000,000, Kansas State College research workers estimated recently.

Can Spring Be Far Behind?



When College students at the men's rooming house at 1423 Fairchild avenue sculptured snow into an intriguing design of a bear last week, two coeds, Susan Johnson, Potwin, left, and her sister, Marianna, stopped to inspect the work. The Johnson sisters, cheer leaders last fall during football season, live near by at 1414 Fairchild avenue. The snow bear did not last long, however, because the weather turned warm.

WILLIS AND THOMPSON HEAD THEATRE PRODUCTION CAST

Pair Have Principal Roles in "Death Takes a Holiday," Which Will Be Given March 21 and 22

Mary Marjorie Willis, Newton, and Keith Thompson, Wichita, have the leading roles in the new Manhattan Theatre production, "Death Takes a Holiday," to be presented on March 21 and 22.

Miss Willis will play Gratzia, a girl of 18, and Thompson will play Prince Sirki. The setting of the play is the home of the Duke and Duchess, played by Emil Karl, Detroit, and Jo Ann Schmidt, Junction City.

Other supporting roles are taken by Patricia Collard, Leavenworth; Frank Rickel, Manhattan; Dene Gopher, Kansas City, Mo.; June Cox, Lyons; Robert Williams, Manhattan; Thomas Trenkle, Topeka; Mary Wingfield, Norton; Robert Stafford, El Dorado, and Bette Roth, Moundridge.

Jeanne Jaccard, Manhattan, is assisting in the production of the play, and John Adams, Atchison, is production manager.

O. D. Hunt, associate professor of electrical engineering, will be in charge of the lighting effects. Norman Webster, instructor in the Department of Public Speaking, is business manager, and Sherwood Keith, also instructor in the Public Speaking department, is director of the Manhattan Theatre.

OPEN HOUSE

(Continued from page one)

ment from the primitive Javan bamboo bridge to the modern Golden Gate bridge.

Other displays will include a model of Boulder dam, a miniature soap factory made of glass, a glass working model of an oil refinery, model steam engine, perpetual-motion wheel, the processes of making nitric acid, plastics, synthetic rubber and many other displays.

St. Pat's prom Saturday night will climax the Open House exhibition. St. Patricia and St. Pat will be presented by Lieut.-Col. Harold E. Eastwood, member of the faculty at the cavalry school in Ft. Riley.

PRESIDENT FARRELL TO TALK AT HOME ECONOMICS MEETING

"Consumer Defense" Is Topic for Address in Kansas City March 21

"Consumer Defense" will be the subject of a talk by Pres. F. D. Farrell March 21 during a three-day meeting of the Kansas Home Economics association in Kansas City.

"Fitness for the Future" is the theme of the meeting.

Other speakers at the sessions, opening Friday morning, are Miss Mary Harrington, Harper hospital, Detroit; Gladys Wyckoff of the American Home Economics association; Dr. Muriel W. Brown of the United States Office of Education, and Rabbi Samuel S. Mayerberg, Kansas City, Mo.

Buswell Discusses Trade Papers

Oliver Buswell of the McCormick-Armstrong company, Wichita, spoke at the weekly industrial journalism lecture Thursday afternoon in Kedzie hall. Mr. Buswell told of opportunities in the trade paper field.

22 STUDENTS ARE ELECTED TO ENGINEERING FRATERNITY

Sigma Tau Pledges Are Wearing Traditional Initiation Costumes This Week

Twenty-two students in the Division of Engineering and Architecture, who were elected recently to Sigma Tau, national engineering honorary fraternity, are wearing their initiation costumes this week.

Pledges include:

Wilbur Reed, Marysville; Leon Cox, Anthony; John Brewer, Concordia; Edward Gustafson, Lindsborg; Ken McEntire, Pittsburg; Don Holshouser, Dwight; Oliver Riley, Stafford; John McEntyre, Topeka; Leland Porter, Dellvale; Lloyd Durrow, Topeka; Arthur Meeks, Kansas City; Marion Miller, Topeka.

Barney Limes, La Harpe; James Bowyer, Augusta; Edward Kirkham, Topeka; Harold Novak, Ottawa; John Piper, Emporia; Philip S. Myers, Formoso; Ray Nelson, Wichita; John St. John, Wichita; Wallace Wittenberger, Marysville, and Lorraine Johnson, Concordia.

TRI DELTS, SIGMA PHI EPS WIN Y ORPHEUM TROPHIES

Student Manager Says Show Was Better Attended Than Last Year

Delta Delta Delta and Sigma Phi Epsilon won trophies at the 21st annual Y Orpheum last Friday and Saturday night.

The Delta Delta Delta short skit was entitled "Patriotic America," while the Sigma Phi Epsilon act in the long-competition contest was a burlesque melodrama.

The Phi Delta Theta fraternity won second in the long competition and the Chi Omega's "Rhapsodies in Blue" placed second in the short acts.

Conover to Judge Essays

Prof. Robert W. Conover of the Department of English will judge the college student essay division in the 1941 Oklahoma Student Writers' association contest, which closes March 19 and is sponsored by the Department of Technical Journalism at Oklahoma A. and M. college, Stillwater.

APPROXIMATELY 60 REPORT FOR FOOTBALL PRACTICES

Coach Hobbs Adams Says 14 Letter Men Expect to Return for Next Fall

Spring practice for approximately 60 gridiron hopefuls began Tuesday afternoon and will continue for six weeks in accordance with conference rules regulating the length of spring practice, according to Coach Hobbs Adams, football mentor.

Only seven of last year's letter men are out for spring practice, but at least 14 of the 15 letter men who will not graduate will return next fall, Coach Adams said. Gene Snyder, Junction City, who may be drafted in June, is the one who may not return.

Of the other seven letter men who did not report, Kent Duwe, Lucas, and Dick Peters, Valley Falls, are out for track; Ray Rokey, Sabetha, Charles Kier, Mankato, and Norbert Raemer, Herkimer, are members of the baseball squad; Frank Barnhart, Ft. Riley, is out with injuries, and Ed Huff, Marysville, is not in school this semester.

The seven letter men who reported Tuesday were Lawrence Duncan, Lucas; John Hancock, St. Francis; Max Timmons, Fredonia; Lewis Turner, El Dorado; James Watkins, Manhattan; Lysle Wilkins, Delphos, and Bill Quick, Beloit.

JOURNALISM FACULTY LISTS NAMES OF 'PROFESSIONALS'

Group Includes 27 Students Who Have Met Requirements for Superior Standing

Twenty-seven students in the Department of Industrial Journalism and Printing are on the spring semester journalism professional list, announced this week by Prof. R. I. Thackrey, head of the department.

The seniors are Enid Altwegg, Junction City; Richard Cech, Kansas City; Katharine Chubb, Topeka; Mary Jean Gretnier, Junction City; Herbert Hollinger, Chapman; James Kendall, Dwight; Jennie Marie Madson, Dwight; Fred Parris, Burlington; Ellen Peak, Manhattan; Robert Rathbone, Manhattan; Frances Ruhl, Hiawatha, and Grant Salisbury, El Dorado.

The juniors are Betty-Lee Beatty, Ellsworth; Ema Lou Bireline, Lewis; Harry P. Bouck, Manhattan; Mary K. Cantrell, Oil Hill; Alma Deane Fuller, Courtland; Mary Bell Morris, Chapman; Gordon West, Manhattan, and Glenn Williams, Manhattan.

Sophomores in the list are Mary Margaret Arnold, Manhattan; Grace Christiansen, Columbus; Dora Hoffman, Haddam; Jack James, Mayetta; Margaret Ann McClymonds, Lincoln, Neb.; Mary Marjorie Willis, Newton, and Margaret Wunsch, Topeka.

Before a student may be put on the professional list he must have a grade average of at least 1.5 in journalism subjects, pass a typing test, take an aptitude test and show an appreciable interest in journalism.

IOWA STATE WRESTLERS CAPTURE BIG SIX TITLE

WILDCATS END IN SECOND PLACE WITH 30 POINTS

Glenn Duncan, St. Francis, Keeps 145-pound Championship, While John Hancock, Heavyweight, Gets Decision

Iowa State college won four of the eight first places in the Big Six conference wrestling tournament in Nichols Gymnasium Friday and Saturday and thus succeeded the Kansas State College mat squad as conference champions.

The Cyclones gained 35 points during the meet and the Wildcats trailed the champions five points to win second place.

DUNCAN RETAINS TITLE

Glenn Duncan, St. Francis, captain of the Wildcat team and defending Big Six champion in the 145-pound class, retained his title when he won a decision over Cummings of Iowa State, 7 to 2. The only other Wildcat champion was John Hancock, St. Francis, heavyweight, who won a referee's decision over Jackman, Nebraska, after wrestling two overtime periods.

Leland Porter, Dellvale, who wrestled for the Wildcats in the 155-pound class, lost his first match in 15 starts in one of the upsets of the tournament. Porter lost by a decision to Joe Loucks, Iowa State, in the final match in his class, 6 to 2.

WILDCATS WIN TWO

The results:

121 pounds—Frye, Oklahoma, decided Kaska, Nebraska, 9 to 5. Consolation: Bales, Iowa State, decided Case, Kansas State, 2 to 1.

128 pounds—Stone, Iowa State, decided Young, Oklahoma, 8 to 1. Consolation: Dunlap, Kansas State, won by forfeit when Shaw of Nebraska failed to weigh in.

136 pounds—Stone, Oklahoma, decided Cockle, Nebraska, 12 to 5. Consolation: Cummings, Iowa State, decided Vavroch, Kansas State, 5 to 2.

145 pounds—Duncan, Kansas State, decided Cummings, Iowa State, 7 to 2. Consolation: Moskowit, Oklahoma, decided DeBusk, Nebraska, 6 to 3.

155 pounds—Joe Loucks, Iowa State, decided Leland Porter, Kansas State, 6 to 2. Consolation: McKinney, Oklahoma, decided DeBusk, Nebraska, 6 to 0.

165 pounds—Linn, Iowa State, decided Jerry Porter, Kansas State, 10 to 3. Consolation: Smith of Nebraska awarded third because only three wrestlers were entered in class.

175 pounds—Johnson, Iowa State, decided Boring, Kansas State, 2 to 1. Consolation: Rumbolz, Nebraska, awarded third place because only three men were entered in class.

Heavyweight—Hancock, Kansas State, won referee's decision from Jackman, Nebraska, in two overtimes. Consolation: Dachenbach, Iowa State, awarded third because only three men were entered in class.

AG HONORARY

(Continued from page one)

tis Jr., Hymer; William Winner, Topeka, and Albert Yoxall, Woodston.

Seniors in the Division of Veterinary Medicine: Bernard Busby, Wakefield; William D. Bowerman, Oklahoma City; Clark C. Collins, West Point, Neb.; Richard W. Swart, Manhattan; Glover W. Laird, Kansas City, Mo., and Robert D. Immenschuh, San Diego, Calif. A senior from the Division of General Science Department of Entomology is Robert T. Cotton, Manhattan.

Officers elected for the coming year included H. W. Brubaker, professor in the Department of Chemistry, president; E. C. Miller, professor in the Department of Botany and Plant Pathology, vice-president; E. L. Barger, associate professor in the Department of Agricultural Engineering, secretary, and J. A. Hodges of the Department of Economics and Sociology, treasurer.

FIVE WILDCAT TRACK MEN SCORE AT NOTRE DAME MEET

College Squad Places Eighth in Central Collegiate Conference

A five-man track squad from Kansas State College entered the Central Collegiate conference indoor track meet at the Notre Dame fieldhouse in South Bend, Ind., last Saturday and scored four points to take eighth place.

Ed Darden, Manhattan, Wildcat hurdler, ran in third place in the 60-yard high hurdles to gather three of the Kansas State points. The mile-relay team, composed of Sam Johnson, Oswego; Jim Upham, Junction City; Bill Burnham, St. Francis, and Loyal Payne, Manhattan, placed fifth in their event for the other point.

Notre Dame scored 49 points to unseat Marquette university as Central conference champions.

EVERYDAY ECONOMICS

By W. E. GRIMES

"When taxes are paid there is less of the individual's income left to spend."

How may taxation be used to curb inflation? The answer is obvious when one considers the real nature of taxation. When taxes are paid there is less of the individual's income left to spend. Purchasing power in the control of individuals is reduced. With reduced purchasing power there is less effective demand for goods, and prices remain near existing levels or may be lowered if the amount taken as taxes is materially increased compared with the taxes formerly paid.

This method of curbing inflation was used to some extent in this country during the World war, but the increase in taxes was not sufficient to

prevent prices from rising. In the present war in Europe, taxes are being used much more effectively to curb rising prices. Materially higher rates of taxation on incomes at all levels have been adopted in England. The excess profits tax rates on the high incomes are 100 percent. The result of these increased rates of taxation is reduction in the incomes available to spend, and this prevents competition for luxury and semi-luxury goods, expansion of plants for the production of such goods and the inflation that comes with increased demand for and production of such goods.

ENGINEERS' OPEN HOUSE ATTRACTS RECORD CROWD

ESTIMATED 16,000 INDIVIDUALS ATTEND ANNUAL SHOW

Shirley Karns, Coffeyville, and Fred Eyestone, Wichita, Reign Over Prom as St. Patricia and St. Pat

An estimated 16,000 persons, a new record, attended the 21st annual Engineers' Open House Friday and Saturday. Last year's attendance was 14,000.

Visitors to the Open House were welcomed by a 17-gun salute and a 30-second blast of the College whistle at 6:30 p. m. Friday.

CIVIL ENGINEERS WIN CUP

Winning the Steel Ring cup this year for having the most outstanding exhibit was the Department of Civil Engineering, thus preventing the Department of Architecture from possessing it permanently. The Architectural department for the past two years has won the trophy. For a group to have permanent possession of the cup, Steel Ring requires it to have three successive victories.

The trophy was presented to the civil engineers at St. Pat's prom Saturday night. Judges of the exhibits were Perle Bottger, Manhattan business man; C. V. Williams, professor in the Department of Education; Fred L. Parrish, professor in the Department of History and Government, and W. G. Ward, professor in the Division of College Extension.

Also presented at the prom were Shirley Karns, Coffeyville, and Fred Eyestone, Wichita, as St. Patricia and St. Pat. The couple were chosen by students in the Division of Engineering and Architecture to reign over the annual dance. They were crowned in a ceremony conducted by Lieut.-Col. Harold Eastwood of Ft. Riley.

BOB STRONG'S ORCHESTRA PLAYS

The prom was broadcast over the Kansas network Saturday between 11 and 11:30 p. m. During that time, St. Patricia and St. Pat were presented and Bob Strong and his National Broadcasting company orchestra furnished music for the dancers.

Directors of this year's Engineers' Open House were Bert Sells, Wichita, manager, and Lawrence Spear, Mission, secretary. Garland Childers, Augusta, headed the committee in charge of the civil engineering exhibit, which was judged the best.

HOSPITALITY INVITATIONS ARE BEING DISTRIBUTED

Virginia Siebert Expects Approximately 4,000 Visitors for Home Economics Show

High school students, teachers and club women throughout Kansas have been invited to attend the 11th annual Hospitality days at Kansas State College April 18 and 19.

"We expect approximately 4,000 visitors, among them girls from more than 100 high schools," Virginia Siebert, Pretty Prairie, registration chairman, said.

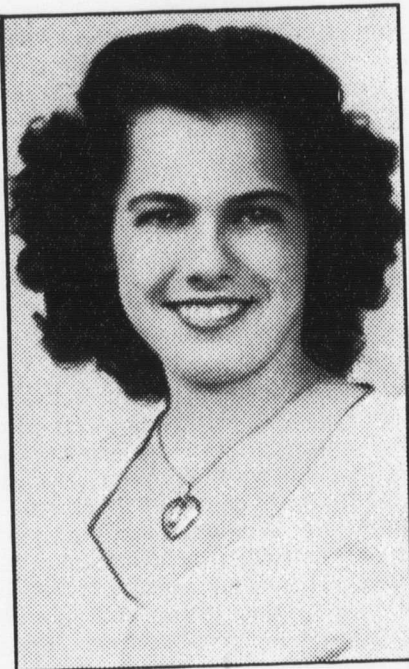
Last year 3,733 people visited the exhibits. Of this number, 1,618 were high school girls representing 101 high schools.

The theme of the event, "Echoes of Home Economics," is intended to reflect to the general public the training received by girls taking training in home economics at Kansas State College. Exhibits from all departments of the division will be shown in Calvin and Anderson halls to demonstrate equipment and methods in this field.

Dorothy Beezley, Girard, general chairman, said that plans are rapidly being completed and committee chairmen expect to have better and more effective exhibits this year.

Hospitality days originated in 1931 for acquainting the public with the work of the Division of Home Economics and for giving students experience in organizing and managing projects of this kind.

St. Patricia



SHIRLEY KARNs

WAR COVERAGE IMPROVED, SAYS KANSAS CITY WRITER

Maj. Robert Reed of Star Discusses Difficulties of Handling Military Information

The United States maintains a stricter censorship of news concerning army equipment than does Great Britain, Robert Reed, a major in the United States army reserve and news editor and military commentator for the Kansas City Star, told journalism students Thursday.

Particularly is this evident in the use of pictures of army equipment in the two countries. Major Reed pointed out that the British have been very generous with news and pictures concerning their ships, bombers, guns and so forth. The United States army allows no pictures of any kind to be published, he said.

In the last war, newspapers voluntarily agreed not to print news on the movements of the army. Major Reed said intelligent censorship of the press is absolutely necessary in warring countries.

Among other things Major Reed touched upon in his talk at the journalism lecture were the better coverage and interpretation by newspapers of the present war than of the first World war and the costs in getting war news.

"No newspaper can afford to tinker with war news to prove a point because it costs too much money to get such news," he said.

MISS MAY SARTON, WRITER, WILL SPEAK HERE THURSDAY

Atlantic Monthly Author Is Making Tour of Middle Western Schools

Miss May Sarton, author and poet, will give two lectures in Willard hall Thursday. She will talk to journalism students at 4 p. m. and at 7:30 p. m. she will give a lecture under the auspices of the Department of English.

In the afternoon, Miss Sarton will discuss the short-story market, novels and the various contests sponsored by Houghton Mifflin publishers. Her evening lecture will be "Poetry as a Social Force," a plea for poetry as a spiritual armament.

Miss Sarton is on a lecture tour, visiting various colleges in the United States. She is on the lookout for manuscripts and will be available Friday morning to those who wish to submit their work to her, or to those who wish to talk with her.

Four Fraternities Robbed

Members of four fraternities were robbed of \$150 as the result of activities of a robber between 3 and 6 a. m. Thursday morning. Approximate amounts reported missing were \$50 by Sigma Nu, \$40 by Alpha Gamma Rho, \$25 by Theta Xi and \$25 by Pi Kappa Alpha. Although these fraternities are not near each other, police believe that all were the victims of the same robber.

COLLEGE RADIO PROGRAM IS ON NBC CHAIN TODAY

"GREEN GOLD" WILL ORIGINATE IN STATION KSAC

Prof. H. Miles Heberer, Director of Show, Has Assistance of 20 Students, Faculty Members and Townspeople

Twenty students, faculty members and Manhattan townspeople are presenting the "Green Gold" radio program today from 11:30 a. m. to 12:15 p. m. on the National Broadcasting company's National Farm and Home hour.

The show, sponsored by the College and the Division of College Extension, will originate in the studios of KSAC on the campus and will be picked up by remote control by NBC. Fifty-three stations all over the country will carry the program. For listeners in Kansas, Nebraska and Iowa, stations WOI at Ames, Iowa, and WREN at Lawrence probably will give the best reception, according to H. Miles Heberer, director of the show.

STAFF ANNOUNCER ARRIVES

Everett Mitchell, regular staff announcer from Chicago, arrived in Manhattan yesterday to help with final rehearsal last night and to announce the show this morning. An NBC radio engineer will assist in the control room.

Playing the main characters in the show are Milton Kaslow, New York City; Norman Webster, instructor in the Department of Public Speaking, and Max Gould, Custer, Neb. They will play roles of three lieutenants in the army air corps. One, Mike McBride, is an Irishman, who furnishes the comedy for the show; another, Larry Alden, is a lieutenant from the East, and the last, Henry Henry, is a Kansas State College graduate.

Assisting Director Heberer, associate professor in the Department of Public Speaking, are Ann Steinheimer, Hutchinson, and Virginia Lee Sheets, Topeka. Ellen Peak, Manhattan, and Bob Stafford, El Dorado, are in charge of the sound effects.

TELLS OF WAR BOOM

In the story Henry Henry tells how the prairie was plowed up and planted to wheat during the last World war and the effect it had on the soil and the livestock industry. The scene flashes back to his farm home as he tells the story. After the war Henry's father, played by Harold Cary of Manhattan, plants his wheat fields back to grass through the influence of programs of the Extension service of Kansas State College. He again takes up diversified farming and raises livestock quite successfully. The last part of "Green Gold" depicts the College's activities, especially those pertaining to livestock.

Others in the cast include Mrs. Mary Myers Elliott, instructor in the Department of Public Speaking; Ken Chappell, Manhattan business man who performed in the Farm and Home show broadcast here four years ago; Ruth Zimmerman, Western, Neb.; Thomas Trenkle, Topeka; James Chapman, assistant extension editor; Byron McCall, El Dorado; H. W. Davis, head of the Department of English; James Andrews, Manhattan; Wayne Pritchard, Kansas City; James Booth, Fairview; Joe Jagger, Minneapolis; Alice Taylor, Tribune; Ann Steinheimer, Hutchinson; Helen Correll Browne, Norton; Jean Scheel, Manhattan, and Mrs. Renna Hunter, Topeka.

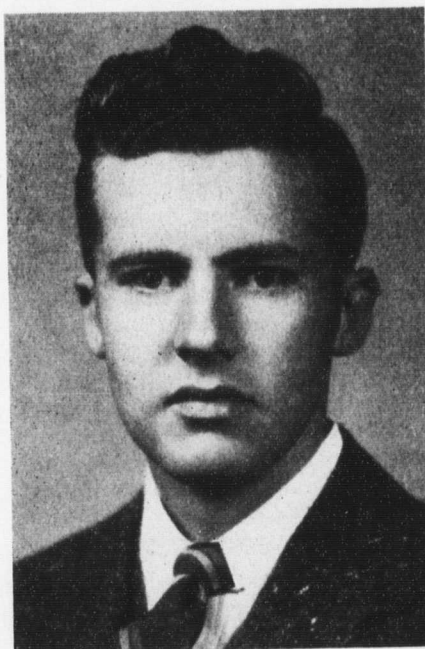
Three Work in Hospital

In the dietetics department of the Jewish hospital, York and Tabor roads, Philadelphia, are three Kansas State grads. Helen E. Paynter, '29, is director of the department. Myrtle M. Morris, '36, is a dietitian, and Betty Jean Jones, '40, is a student dietitian.

Grauerholz at Ft. Benning

Lawrence Grauerholz, I. J. '39, is serving his year's active duty in the United States army. He is stationed at Ft. Benning, Ga. He was with the Chesterton, Ind., News until February.

Phi Kappa Phi Nominee



GEORGE COCHRAN

GEORGE COCHRAN IS NAMED FOR SCHOLARSHIP CONTEST

Topeka Student in Agriculture Selected by Local Phi Kappa Phi Organization

George W. Cochran, senior in agriculture, son of Mr. and Mrs. C. V. Cochran, Route 2, Topeka, has been selected by the Kansas State College chapter of Phi Kappa Phi, national honorary organization, to represent the College in competition for one of the graduate fellowships awarded each year by the national Phi Kappa Phi organization.

The announcement was made today by Miss Stella Harriss, chairman of the committee that made the selection. This is one of the highest honors granted any student at Kansas State College, during the year.

In addition to being a member of Phi Kappa Phi, Cochran is a member of Alpha Zeta and Gamma Sigma Delta, honorary agricultural fraternities. Cochran has been active in affairs of the Agricultural association, Collegiate 4-H club, Block and Bridle club, YMCA, the Horticultural club and other organizations. He has been awarded the Carl Raymond Gray scholarship of \$100 and the Danforth scholarship for the outstanding freshman agricultural student of 1937.

With the exception of small amounts won on scholarships, Cochran has paid his way through school. He has worked during the summer for the Department of Horticulture, where he is getting his major. During the school year he works for the Department of Botany in the plant research laboratory.

Cochran's grade-point average for the first 3 1-2 years has been 2.77. He was selected as an outstanding student in the Division of Agriculture for 1941 and was presented at the annual Farm and Home week.

TWO FACULTY APPOINTMENTS ANNOUNCED BY PRESIDENT

Dr. A. E. Schumacher Is Named to Fill Post of Dr. H. M. Scott

Pres. F. D. Farrell recently announced two faculty appointments approved by the State Board of Regents.

Dr. A. E. Schumacher, now doing research work at Cornell university, has been appointed assistant professor in the Department of Poultry Husbandry to succeed Dr. H. M. Scott, resigned, the appointment to be effective June 1.

Capt. John R. Clark of the Department of Military Science and Tactics has been transferred to other duties by the War department. Second Lieut. Gustave E. Fairbanks has been detailed for service at the College, effective March 1.

Wins Honorable Mention

Esther Wiedower, Spearville, senior in applied music, won honorable mention for two vocal solos entered in the annual state contest of the Kansas Federation of Music Clubs. The solos entered in the contest by Miss Wiedower are "Entreaty" and "A Woman's Appraisal."

TWO CAMPUS BUILDINGS ARE DESTROYED BY FIRE

LOSS, EXCLUDING STRUCTURES, PLACED AT \$16,840

Pres. F. D. Farrell Says Problem of Replacement Will Be Left to State Board of Regents

Pres. F. D. Farrell went to Topeka Tuesday to report to Fred M. Harris, chairman of the State Board of Regents, on the fire, of unknown origin, which destroyed two frame buildings on the campus late Saturday. The two buildings were Barracks Nos. 3 and 4 constructed by the federal government in 1918 to house enlisted men from the United States army who were here for training in vocational lines.

The report that President Farrell submitted to the regents placed the loss at \$16,840, not including the buildings. This figure included \$13,500 for equipment and small animals in the north building in which the fire broke out, \$3,190 for equipment owned by the Department of Agricultural Engineering in the second building and damage totaling \$150 to the roof of the College hospital and windows in the College power plant.

SMALL ANIMALS DESTROYED

The small animals destroyed included 1,400 guinea pigs, 300 chickens and 170 domestic rabbits. The animals were used for the manufacture of serum and for Dr. H. L. Ibsen's research in genetics. Equipment in the north building included electric refrigerators, incubators, cages and feeding equipment.

The \$3,190 loss in the south barracks included tools, farm machinery and equipment used by the Department of Agricultural Engineering.

President Farrell said the matter of providing facilities to replace the structures would be left to the State Board of Regents. He pointed out that the College for years has been asking the state, through the Board of Regents, for a permanent building for agricultural engineering and for a fireproof building for a small-animal laboratory. An item of \$50,000 was included in the recent 38th biennial report for the small-animal laboratory building, and an item of \$350,000 is included for completion of the engineering building which would include quarters for agricultural engineering.

CONSIDERED "FIRE-TRAPS"

The north building, in which the fire started, was of two stories covering a floor area 42 feet by 185 feet. For the past 21 years it has been used to house small-animal laboratories. These laboratories were used for research work on animal diseases, animal parasitology, animal breeding, animal nutrition and for the preparation of materials for instruction in these subjects.

Replacement cost of the two wooden buildings would be approximately \$30,000. No effort will be made to replace them with the same type of structure. College officials explained that the buildings were "fire-traps" and not adapted to the purpose for which they were being used. The buildings were being used only because of the lack of adequate space in good buildings, it was explained.

The buildings were not insured. President Farrell pointed out the fact that the state does not permit the College to carry insurance on buildings.

Teeter Receives New Job

Robert Teeter, who was graduated last year with the degree of B. S. in chemical engineering, has accepted a position in the development department of the Tennessee Eastman corporation, Kingsport, Tenn., beginning about July 1. Mr. Teeter is a graduate assistant in the Department of Chemical Engineering, Virginia Polytechnic institute, Blacksburg, Va. Last year Mr. Teeter was business manager of The Kansas State Engineer.

The KANSAS INDUSTRIALIST

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JANE ROCKWELL, RALPH LASHBROOK,
HILLIER KRIEGERHAUM Associate Editors
KENNEY FORD Alumni Editor

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WEDNESDAY, MARCH 19, 1941

SATURDAY'S FIRE

The fire which last Saturday swept through two wooden barracks which were relics of this College's participation in the World war caused damage far more serious than destruction of the old buildings or of the valuable equipment inside.

The "market value" of the hundreds of small animals which died in the blaze is ridiculously low as compared to the real loss involved. This cannot be measured. Research workers on this campus and elsewhere can perhaps best understand the meaning of the loss of guinea pigs whose blood strains went back through Dr. Herman L. Ibsen's experiments in genetics for nearly three decades.

The loss—in valuable equipment which must be replaced and in much more valuable research animals which cannot be replaced—serves anew to emphasize the danger of false economy, to the College and the state. For more than 20 years valuable work of the College has been housed in these wooden structures thrown up in a war emergency and always at the mercy of a chance spark. Neither these buildings nor the other more substantial college buildings to which they constitute a fire menace were or can be insured because of state policy against such insurance. The modern construction of the College power plant and determined action by volunteer and paid fire fighters to protect the hospital and other buildings, kept the blaze from becoming a major catastrophe such as the Denison hall fire of 1934.

For many years the College has asked for buildings to house its activities properly and safely. For the most part these requests have not been for any projected expansion but to get permanent and long-established functions out of rented or crowded quarters or out of "fire-traps" such as the two buildings which burned Saturday and other similar structures which remain.

Saturday's fire caused a disheartening waste, measured in either tangibles or intangibles, but it may serve one useful purpose by calling attention to the fact that in 1941 Kansas State College is still under the necessity of using wooden structures put up by the federal government to house S. A. T. C. activities in 1918.

WAR AND AGRICULTURE

Millions of soldiers are on the march. Mechanized units on the land, in the air and upon the sea are hurling death and destruction toward other human beings. There are countless millions behind the lines giving their energies to an economy of war. Millions have already died, or are dying. Let us turn from this picture of suffering and bloodshed and remember that peace will come. It may come soon as a negotiated peace, or it may be delayed for years—possibly a decade, before there comes the peace of the conqueror.

True, lives will continue to be destroyed, property will be devastated and civilization will totter at the brink of the dark ages as it were; but let us remember nature's part in this program. No demon or dictator has ever destroyed God's sunshine, nature's warmth or the gentle rain. Soil fertility will remain and in some cases will be enriched with human blood. The seasons will continue, rains will fall, crops will be grown, harvests will be gathered,

even though the world will undergo great change.

There are almost two billion people on the earth. This war has made all of them poorer, and few happier. It has left sadness and sorrow; but babies will be born. Twenty or 50 years from now there will still be about two billion people to be fed, clothed and led toward a better way of life. We in agriculture can rejoice that we can have a part in taking care of the physical wants of a world when peace comes. War means poverty; it also means lower standards of living; it will mean increased competition in the great struggle to maintain American ideals and the American way of life. In the face of an impoverished world, with increased hatreds, and lost faith, we will face the fiercest competition for our own markets and the markets of the world that mankind has ever known. Prices will be shaken to their foundation. The farmer must build his resources and faith to meet the impact and make the triumph of peace also a victory for America and American rural life.—From an address by Louis J. Taber before the National Grange annual session.

VASTNESS OF THE UNIVERSE

The scale of the visible universe transcends the power of imagination. We can form a faint picture of 10,000 or 100,000 miles, but a billion and a billion billion produce in our minds the same impression of immensity.

It is not possible even to devise a model reduced to a scale in which all the distances of the universe are humanly comprehensible. None the less let us make an effort and see what a model one thousand-billionth times life-size would be like.

The Earth would be about the size of an atom, and its orbit a distinctly visible speck. The circle of the whole solar system—counting Neptune as the outermost planet—would be an orbit about as large as a wedding ring. But now the distances begin to leap. The Galaxy, of which it forms a part, would be 600 miles in diameter and over 5,000 miles from the nearest nebula, that of Andromeda, which would be a cluster of similar dimensions. Island universes of about this size and spaced in about this manner would continue to succeed each other for 600,000 miles. This distance represents our present limit of vision. When the great 200-inch telescope is in use it may be increased four times.

This comparison may begin to indicate the terrifying scale of these phenomena. Everything in astronomy seems vast. Distances are stupendous, temperatures incredibly high or low, speeds are such as to make our racing aeroplanes seem stationary. The easiest way to look at astronomy is not to gape continually at its vastness, but to gape once and for all at our own extreme smallness.—F. Sherwood Taylor, in Science Front, 1939.

INVESTING IN TREES

The man who plants a tree conveys a lasting benefit to himself and posterity. What invested money, put to work at par in 1850, say, is worth today what was paid for it then? Business cycles come and go; so do gilt-edge companies. Governments change; the races of man trample and pass on. Trees remain. . . . Trees are friends of men, as they are the friends of the birds. Trees have distinctive personalities; each has as much individuality as a dog or a horse. They outlive all such pets; they ask nothing. They only give.—Donald Culross Peattie, in the Rotarian.

SMALL BUT MIGHTY BRAIN

On the average, man's brain constitutes about one-fiftieth of his total weight.—From the Pathfinder.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Fred R. Lindsey, '09, was chief engineer for the department of public works in the division of canals and waterways at Albany, N. Y.

Prof. E. R. Dawley of the Department of Applied Mechanics left for Pittsburgh, Pa., to attend a committee meeting of the American Society of Testing Materials. Professor Dawley was to present information about results of concrete materials tests which had been conducted at Kansas State College.

Prof. George A. Dean of the De-

SCIENCE TODAY

By C. O. SWANSON

Professor of Milling Industry

When the farmer hauls a load of wheat to the local buyer, or when a carload of wheat arrives at the terminal market, the test weight or pounds per measured bushel is determined. This is done by filling a standard measure of wheat and weighing. The vessel used in determining the test weight has a definite relation to this bushel measure so that as soon as its weight full of wheat is read the weight required to fill a bushel is known.

The present value of the test weight rests largely upon the importance this measure has been given in grain grading. According to present standards, a sound wheat must weigh 60 pounds or more per measured bushel to grade number 1. Any weight between 59.9 and 58 places the wheat in grade 2, and any weight between 57.9 and 56 places wheat in grade 3. Between 55.9 and 54 it grades number 4 and between 53.9 and 51 it grades number 5.

The reason for the importance given to test weight in wheat grading is that there is a general relation between test weight and flour yield. That is, the higher the test weight the higher the flour yield, and the lower the test weight, the lower the flour yield. Experience, however, has shown that there are important exceptions. The flour yield which is possible from any lot of wheat depends primarily on the percentage of the endosperm in the kernels. This may be as low as 60 percent or even less in shriveled wheat and as much as 85 percent in plump wheat. The percentage of endosperm increases as the kernels become shorter in relation to the width, and decreases as the kernels become longer in relation to width.

When wheat falls into the test weight vessel it does not occupy all the space as would be the case with cubical blocks fitted into a rectangular box measure. Since the more rounded or plump kernels will pack more closely than the elongated or shriveled, there is less air space among the former than among the latter. Calculations have shown that this air space may be 54.8 percent for 50 test weight wheat, 46 percent for 57 test weight wheat and 44 percent for 61 test weight wheat. The amount of this air space is determined by the way the kernels arrange themselves in the test kettle. This depends not only on their shape, but also on the relative smoothness of the bran coat. Kernels with smooth bran coats will "flow" easier and hence pack more closely than kernels which have a rougher bran coat. The test weight of wheat may be increased several pounds by the simple process of scouring, which removes the roughness of the bran coat and thus allows the kernels to "flow" easier and thus pack the test kettle more closely.

There is not only the external air space, but the internal or air spaces within the kernels. This is due to variation in the density of wheat or mass per unit of volume. This de-

pends mostly on the closeness of packing of the starch, protein, cellulose, fat and mineral elements of which the kernel is composed. Since these are not packed solid like cubical blocks, there are pore spaces extending throughout the kernels. In dark and vitreous kernels these substances are more closely packed than in yellow berry kernels. The average density of the various substances in the kernel is nearly 1.444. The density of the air is only 0.001293 or about 1/112th of the average of the others. Hence, a variation in internal air space has much influence on the density or specific gravity of the kernels as a whole. That is, the more internal air space, the less is the amount of the other substances per unit of space or volume. This in turn decreases the test weight.

Wetting wheat by exposure to rain after it is dry-ripe either as standing grain or in shocks decreases the test weight. This is due to the roughening of the bran coat and to the swelling of the kernels when they are wetted. This wetting pries apart the structural arrangements of the interior and, when these kernels are redried, the original compactness is not restored. The outside is crumpled like a piece of paper which has been wetted and the internal air space is increased. The net result is a decrease in test weight.

Wheat which was threshed from a shock had 60.1 pounds test weight before it was wetted by rain; after two rains totaling 1.64 inches, the test weight of the wheat threshed from the same shock was 56.7 pounds. After scouring the test weights were respectively 63.1 and 60.2, showing that the condition of the bran coat as well as the disarrangement of the internal structure affected the test weight. In such wetting, there is no loss of material and hence, the flour yield, figured on the 60 pound bushel basis, is not decreased.

Increasing the moisture content also decreases the test weight. A sample of wheat which had 61.3 pounds test weight at 10.3 percent moisture decreased to 58.1 pounds test weight when the moisture content was increased to 14 percent. This was due to the swelling by water and to the lower density of water which is 1.000 as compared with about 1.444 of the wheat substance. After this wheat was redried to 10.3 percent moisture, the test weight was only 58.5 due to the increase in internal air space. Thus, rains will influence grading of wheat because of lowering the test weight. This by itself, unless there are other causes of damage, will not lower the flour yield since there has been no loss of substance.

If dark vitreous kernels are exposed to much wetting, the color changes to bleached or yellow and the interior is opaque or chalky. This is due mostly to the development of more internal air space. The reflection of light is affected similar to that from snow, while the reflection of the vitreous kernels is more like that from ice.

ty Teachers' association at Salina.

W. H. Andrews, assistant professor of mathematics, was the head of a delegation to Abilene to attend the Methodist Episcopal conference.

Mrs. Elizabeth (Edwards) Hartley, '92, of Manhattan, left in February for Wales to spend the summer with her father. She was accompanied by her two small children and her sister, Mrs. J. B. Kimball, of Arcadia, Fla.

FORTY YEARS AGO

Mrs. Nellie Kedzie, '76, of Peoria, Ill., was a teacher of domestic science.

Carl Rice, '97, of Company A, Sixteenth U. S. infantry, was stationed at Echague, Philippine Islands.

It was announced that Harry N. Whitford, '90, would conduct the classes in phanerogamic botany during the annual session of the biological laboratory of the Brooklyn Institutes of Arts and Sciences at Cold Harbor, Long Island, during the months of July and August.

FIFTY YEARS AGO

Professor Walters lectured in the Salina high school course on the sub-

ject, "Industrial Education and Manual Training."

J. S. Hazen, '89, in the employ of the United States Signal service, was transferred from Nashville, Tenn., to Apache, Ariz.

W. T. Swingle, '90, who had been assistant in botany since the experiment station was organized in 1888, resigned his position to do similar work in the Division of Vegetable Pathology of the United States Department of Agriculture, Washington, D. C.

SIXTY YEARS AGO

President Fairchild was called to Topeka on College business.

Professor Ward was giving his bookkeeping class a short term in commercial law.

The monthly faculty lecture for March was delivered by Professor Platt at the chapel. His subject was "Political Parties in the United States."

KANSAS POETRY

Robert Conover, Editor

TRANSITION

By Arthur Lloyd Douglas

Night must fall
To cover up the day
That's dead and gone.

Night birds call
And all the dusky way
Is filled with song.

Softly comes,
With her shimmering light,
The harvest moon.—

Day blends with night.

Arthur Lloyd Douglas, Pittsburg, is a senior claims examiner of the Unemployment Compensation division of the State Employment service. His poems have been published in many magazines and in several anthologies. He also has contributed technical articles to automotive and aviation trade journals.

SUNFLOWERS

By H. W. Davis

COINCIDENTAL, PROBABLY

To have your eight-year-old overcoat and your halo of hair grow frowzy at one and the same time—the middle of March, say—is the worst bit of hard luck that can befall a husband.

Somewhat or other, women don't realize that if things can only be made to last two or three weeks longer, everything will adjust itself; and the seeming emergency will vanish like a lesser Balkan state before the threat of two panzer divisions.

Take my overcoat for instance. Despite appearances it will hold together for all practical purposes, I think, until the first of April. That is, if I treat it with the respect due a garment that has served me so long and so well. It is worn, but warm enough. The restrainer straps for the belt are gone (I cut them off for cause three years ago), several of the buttons are still on and that cigarette-ash blemish in the lower front sector hardly shows when I walk fast. Unless Lord Halifax or Anthony Eden flies to confer with me before spring opens up, it will do.

And my hair. It isn't half as bad as it might be if I really had hair. Only a most painstaking search between my ears and up from the back of my neck will reveal startling discrepancies in length or intent.

But show me a woman who will admit I can possibly last through another light frost and I'll see you well fed and otherwise properly rewarded.

Women think I ought to go purchase a snappy 1942 model overcoat instantan and have my locks shorn on the way back. What would people think, and maybe say, they warn me, if people were to see me in my old overcoat and bare-headed simultaneously? What if somebody would come to visit me (as anybody well might)? Wouldn't I be ashamed to take off my muffler and reveal my scraggly hair? Would I dare put on my overcoat in front of anybody who didn't know me and might suspect my haberdasher of being averse to deferred payments?

Meanwhile, all I can do is stand unmoved and mutter prayers that light and heavy snows will cease their belated 1941 depredations. Anyhow, women have nothing on me. I don't understand them a bit better than they understand me.

AMONG THE ALUMNI

John B. Brown, M. S. '87, M. S. '93, has been reported by his sister, Mrs. Walter Burtis, f. s. '85-'88, of Manhattan to be at Route 2, Box 372, Phoenix, Ariz. He retired from his forestry work at St. Joe, Ark.

Mame (Alexander) Boyd, B. S. '02, has been chosen as publicity chairman of the Kansas Women's Republican club. Mrs. Boyd spends much of her time in Topeka, now that her husband, Frank W. Boyd, f. s., is chairman of the State Board of Administration.

Mrs. Boyd was editor of the Kansas Club Woman for four years and is now the editor of the Press Woman, official publication of the National Federation of Press Women. She writes a column, "Homely Chatter for Home Folk."

She is a past president of the Woman's Kansas Day club and Native Sons and Daughters, a charter member of the Woman's Press club, a past district president of the Sixth District K. F. W. C. and a member of the advisory council of the Alumni association of Kansas State College. She considers one of the greatest honors that has ever come to her was to be chosen as the most distinguished citizen of Phillips county, by popular vote conducted by the superintendents of the schools. Her picture hangs in the Kansas Hall of Fame in Wichita. She is a member of the Phillipsburg Library board and county chairman for the Crippled Children's commission, and Tuberculosis association.

S. E. Morlan, E. E. '04, is owner and manager of the Morlan Motor company, Gunnison, Colo. His address is 310 West Tomichi avenue.

H. A. Burt, E. E. '05, and his wife, Mary (Strite) Burt, '05, are at 2227 Grape street, Denver, Colo. Mr. Burt is with the Public Service company in Denver.

John H. Zimmerman, M. E. '12, and Hazel (Fawl) Zimmerman, f. s. '11, recently moved from Akron, Ohio, to 3138 Highland drive, Cuyahoga Falls, Ohio. This is in the same county as Akron. Mr. Zimmerman is still with the Goodyear Tire and Rubber company at Akron.

DeHellek Branson, Ag. '13, is farming at Cambridge, Kan. His wife is Alice (Young) Branson, graduate of Texas State College for Women.

Clytie Ross, H. E. '16, M. S. '24, writes, "I'm hoping to get back for our reunion next May. I am so much farther away down here it is going to be harder to get there from here than it was from Tucumcari." Her address is Box 455, Las Cruces, N. M., where she has been home demonstration agent since June, 1940.

W. L. Thackrey, E. E. '18, and Bessie (Carp) Thackrey, f. s., are at home at 1452 South Emerson, Denver, Colo. Mr. Thackrey is general superintendent of the Colorado-Wyoming Gas company, 407 Continental Oil building, Denver.

Maj. Ray E. Marshall and Frances (Casto) Marshall, '22, are now stationed at Ft. Clayton, Canal Zone, Panama. Major Marshall was formerly with the Department of Military Science and Tactics at Kansas State College, Manhattan.

Rollin J. Smith, C. E. '23, asphalt engineer for Skelly Oil company, is located at 2531 West Fiftieth street, Kansas City, Kan.

James R. Moreland, Ag. '24, recently took a position with the Weather bureau, Airport Station, Pampa, Texas.

C. E. Hommon, C. E. '25, recently closed his 12th year as county engineer of Clark county, and moved from Ashland to Topeka. He has a position now in the State Highway department and will specialize in bridge design and construction. He and Emogene (Bowen) Hommon, H. E. '26, live at 1914 East Twenty-First street, Topeka.

Harry G. Walker, M. S. '26, is entomologist for the Virginia Truck Experiment station, Norfolk, Va. He writes, "I am engaged in research work leading to the prevention and control of insect damage to truck crops. My wife (Wanda Fry) and I have three children: Sara Ann is 8, John Martin is 5 and Harriet Margaretta is 1."

John W. Koerner, f. s. '27, and Esther (Thomas) Koerner, '29, are

at Wakefield. Mrs. Koerner writes that her husband is owner and operator of a filling station at Wakefield. They have a daughter, Jean Ann, 3.

Janice (Barry) O'Malley, I. J. '27, is at College apartment, 408 East Walnut, Springfield, Mo. Her husband, Fred, f. s., is with the furniture department of Herr's Department store.

Clara (Paulsen) Woodden, H. E. '28, M. S. '36, was married May 15 to Ralph Woodden. She writes that her husband is with the United States Smelting, Refining and Mining company at Fairbanks, Alaska. The position which she formerly held as instructor at the University of Alaska is now filled by Rhoda Putzig, H. E. '39.

Clayton Eslinger, f. s. '28, is owner and director of the Peebler Funeral home in Topeka. A personality sketch appearing last fall in the Topeka Daily Capital told of his activities in that position and other duties as a member of the Elks club, North Topeka Merchants association, North Topeka Civic club and a charter member and the first president of the North Topeka Kiwanis club. He is a member of the Kansas Funeral Directors' and Embalmers' association and also the National Funeral Directors' association. He and Mrs. Eslinger have a son, Bobby, who will be 2 next summer.

Mabel (Paulson) Herzog, G. S. '29, and Robert W. Herzog, K. U. '28, have two daughters, Virginia Ruth, 4, and Barbara Ellen, 2. Their home is at Herndon.

J. Arlie Stewart, A. A. '29, writes that he and his wife, Lillian (Jorgenson) Stewart, have a son, James Conrad, 5. Mr. Stewart is assistant to the Civilian Conservation corps special disbursing agent, finance office, for Arkansas district. Their residence address is 212 East D street, Park Hill, North Little Rock, Ark.

Warren Dale Moore, Ag. '30, and his wife, the former Toy Nelson, have two sons: Donald F. is 6 and Roy Dale is 1. They live at Copeland where they farm.

Helen Bradley, H. E. '33, recently has accepted a position as school lunch supervisor for the Works Progress administration, Topeka. She formerly was associated with the Union Gas company, Independence, in the capacity of home economist.

Edna Swank, G. S. '36, teaches English and American history at Oakley high school, Oakley. Her residence address is still Hill City.

E. E. "Gene" Howe, I. C. '36, last June completed work for a doctor's degree in biological chemistry at the University of Illinois, Champaign, and then received a position with the Merck Chemical company, in Rahway, N. J. His wife is the former Lois M. Peterson, H. E. '38.

Eunice Pearl Youngquist, H. E. '37, now has a position as assistant director of foods at the University of Kansas. She is dietitian in charge of Corbin hall and the Watkins Memorial hospital.

Wilma Maurine Tonn, '38, is dietitian at the St. Mary hospital, Halstead.

Chemical engineering graduates from the class of '40 and their present positions include:

John Eppard, 1922 South boulevard, Houston, Texas, is with the Sinclair Refining company at Houston.

Wilbert J. Foos is working with the Kansas Highway department in the road materials laboratory, Manhattan.

William B. Freeman, 429 Westmoreland street, Akron, Ohio, has a position with the Pittsburgh Plate Glass company, Columbia Chemical division, Barberton, Ohio.

John W. Friedline is with the Morton Salt company, Grand Saline, Texas. He is a plant chemist in the control laboratory.

Raymond H. Groth, 415 Hazle street, Tamaqua, Pa., is employed by the Atlas Powder company at Tamaqua.

Colter A. Landis, 633 Ludlow, Lawrenceburg, Ind., works for Joseph E. Seagram and Sons, Inc., at Lawrenceburg.

Ralph Marshall, Lester I. Miller and Robert D. Miller are all with E. I. du Pont de Nemours and company, Inc. Mr. Marshall is with the cellophane division at Clinton, Iowa. Lester Miller is with the explosives department, Memphis, Tenn., and Robert D. Miller is with the Gracelli chemical division, East Chicago, Ind.

LOOKING AROUND

KENNEY L. FORD

Wildcats at Hutchinson Fair

Kansas State alumni play an important part in the managing of the Kansas State fair at Hutchinson.

Of the 18 officers and members of the board of managers, seven of those positions are held by graduates of Kansas State College.

S. M. Mitchell, '18, is secretary, and O. O. Wolf, f. s. '94, is president of the fair. Members of the board of managers are C. C. Cunningham, '03, El Dorado; Perry Lambert, '13, Hiawatha; W. C. Hall, '20, Coffeyville; Gaylord R. Munson, '33, Junction City, and J. B. Angle, '19, Courtland.

Restaurants Are Praised

The book, "Adventures in Good Eating," is recommended especially for travelers, as it gives location and hours of service of recommended eating places all over the United States and Canada.

Of 2,000 famous places listed for quality food, this book gives the most space to praise of the Maramor restaurant. The Maramor in Columbus, Ohio, owned and operated by Mary (Love) McGuckin, f. s. '13, and Mr. McGuckin, is cited as follows:

"I believe that nowhere will you find a more splendid combination of food, atmosphere and service. Their salads and desserts, which are different and delicious, deserve particular mention. There are so many things about The Maramor that are different that only by going there can you realize them. There is also a Maramor shop in the same building where you can get some of the finest candies I have ever tasted. These candies, too, are internationally known and you'll probably want to take some with you.

"If I seem to have extended myself about The Maramor, I am also echoing the comments of many of the 'Adventurers' who class it as one of the finest restaurants in America. So if you have to go out of your way to see and enjoy it, by all means, I recommend that you do so and I hope you may meet Mr. and Mrs. Malcolm McGuckin, who operate this exceptional restaurant."

Anna Maude Smith, '14, owns and manages the Anna Maude cafeteria in Oklahoma City which is also praised in the book.

"Few cafeterias have enjoyed such a quick and continued success as this one," says the book. "French onion soup and vegetable soup are unusually good, as well as hot breads, pies, cakes and salads, but those with a he-man craving for meat go for their roast beef, baked ham, chicken pie, Southern chicken, creole shrimp, baked (honest) hash and other meats and the best spinach I have encountered in a long time. Unusually good salads and desserts."

MARRIAGES

HOOVER—THORSON

Dr. Clare F. Hoover announces the marriage of his sister, Jessie May Hoover, D. S. '05, to Theodor Thorson, February 18, at Emporia. They will live at 1706 West Fifteenth street, Topeka.

COOK—ROPER

Norma Elizabeth Cook, M. Ed. '40, of Monument and Bueford T. Roper, M. Ed. '40, of Atchison were married August 25, 1940. They are now living at Langdon, where Mr. Roper teaches music.

MALLAM—STAGG

The wedding of Alice Cleo Mallam and Beverly D. Stagg, Ag. '40, took place February 5 in the home of the Rev. B. A. Rogers of the First Methodist church. The couple left for a short trip and returned February 10 to Sedan, where Mr. Stagg is county agent.

TODD—BURK

The marriage of Marion Todd, H. E. '35, to Max Lewis Burk, I. J. '35, was February 12 at the home of the bride's parents in Leavenworth. They are now living at 1446 Laramie, Manhattan. Mr. Burk has an insurance agency, selling insurance in fire and casualty lines, in Manhattan.

NELSON—McMASTER

Moyné Nelson, Manhattan, became the bride of Gerald O. McMaster, Ag. '40, February 11, in the Nelson home in Manhattan. Mrs. McMaster is a

graduate of Manhattan high school and took a course in business training at the Sacred Heart academy. She has been employed since her graduation from the academy in the Department of Music office of Kansas State College. Mr. McMaster is teaching vocational agriculture in the Auburn high school.

LEGER—O'NEAL

Margaret Leger, '39, and Charles O'Neal Jr., M. S. '39, were married by proxy due to the fact that Mr. O'Neal was in Venezuela when they were to be married. There is a Venezuelan law that requires 45 days' residence before marriage. Shortly afterward she sailed from New York for Venezuela and arrived a bride. They were married again November 7. Their home is now at 618 Fremont, Manhattan. Mr. O'Neal is with the Widmer engineers at Ft. Riley.

BLACKMAN—PARSONS

Mary E. Blackman, I. J. '36, H. E. '39, became the bride of Hugh Galt Parsons, February 22, in St. Louis, Mo. They are at home in the Yorkleigh apartments, 4953 West Pine boulevard, St. Louis. Until about a year ago, the bride had lived in Manhattan, working as an assistant to Ralph R. Lashbrook, associate professor of journalism, in the College News bureau. She is a member of Pi Beta Phi sorority. Last spring she accepted a position with the Pet Milk company in St. Louis. Mr. Parsons is in the sales department of the Monsanto Chemical company, St. Louis. He attended the Tome Preparatory school in Baltimore, Md., and Western Reserve university, Cleveland, Ohio.

DEATHS

THOBURN

Joseph B. Thoburn, '93, regarded as one of Oklahoma's most authentic historians and former curator and secretary of the Oklahoma Historical society, died March 2 after a paralytic stroke.

The 74-year-old Oklahoman, one of the first scholars to delve into Oklahoma history, was the author of dozens of books and articles on state historical subjects. Perhaps he was best known for a comprehensive history of Oklahoma written by him and published in 1916.

Prior to that and shortly after Oklahoma attained statehood, Mr. Thoburn, working with the late Isaac M. Holcomb, collected the material and compiled the first outline of the history of Oklahoma ever published. It was adopted as a public school textbook and used regularly in the public school classrooms for years. One of his most recent literary productions was "The Great Plains in Verse: A Regional Anthology," published in 1934.

After his election to the faculty of the University of Oklahoma in 1913, Mr. Thoburn became increasingly interested in the archeology of Oklahoma. He was the first to discover that the mounds in eastern Oklahoma and nearby states were each the ruins of a timber-framed, dome-shaped, earth-covered human habitation built five to six centuries ago by the ancestors of the members of the present Caddoan Indian tribes.

In 1931 he received a doctor of letters degree from Oklahoma City university. He was a charter member of the Oklahoma Society of the Sons of the American Revolution, of which he was president in 1919. He was president of the Oklahoma Academy of Science in 1921 and an active member for many years.

KANSAS STATE COLLEGE RECORDINGS

"Alma Mater" and "Wildcat Victory" by the Kansas State College Men's chorus and

"Roll on, Kansas State" and "Shoulder to Shoulder" by the College band

All four of the above songs so dear to Kansas State College students and alumni recorded on one standard phonograph record will be mailed anywhere in the United States for \$1 each. Alumni in foreign countries should add the necessary additional postage.

If you wish one of these records for your home or alumni meeting, fill out the following order blank and mail to the Kansas State College Alumni association, Manhattan.

☐ Inclosed find \$1 for one K. S. C. recording.

☐ Inclosed find 15c for one printed copy of "Wildcat Victory."

Name

Address

RECENT HAPPENINGS ON THE HILL

Last Friday's Collegian appeared on green paper—result of the influence of the Engineers' Open House and St. Patrick's day Monday.

More seniors have taken senior physical examinations to date than in any previous year. So far 509 have been examined, according to Dr. M. W. Husband, director of student health.

More than 2,000 signs used in the Engineers' Open House Friday and Saturday were made by a sign committee consisting of three members. The signs were red, white and blue in keeping with the national defense theme of Open House.

Residents of Van Zile hall had planned to eat crackers and cheese Saturday night, but the delivery boy carrying the cheese found the burning barracks on the campus more interesting. He failed to deliver the cheese. Result—Van Zile girls ate crackers and butter.

Four student orators, representing the literary societies on the campus, are contesting for a prize of \$5. Mar-cille Norby, Cullison, representing the Ionian society; Marjorie Force, Wheaton, the Browning society; Orville Burtis, Hymen, the Athenian society, and John Martin, Lyons, the Hamilton, will give their orations March 28 in Recreation Center.

Dr. H. H. King, head of the Department of Chemistry, is leaving this week on an inspection trip of schools in Indiana, Missouri, Pennsylvania and New Jersey. He will study the qualifications of chemistry departments in several colleges and universities as part of a program of the American Chemical society, of which Doctor King is a member, to advance training requisites of new members.

Listeners of radio stations KTSW in Great Bend and KVGB in Emporia did not hear the first 10 minutes of the half-hour broadcast from St. Pat's prom Saturday night. Station KFBI in Wichita, feeder station of other stations on the Kansas network, neglected to transmit the program until 11:10 p. m. Consequently station KSAL in Salina, whose facilities originated the broadcast, and KFBI were the only stations carrying the program.

Two bugle calls and "Alma Mater" were to be the only music heard on the Farm and Home hour broadcast today. From a pile of music about one foot high sent to the National Broadcasting company to be cleared and approved for the broadcast of "Green Gold," this was all that was cleared. "Roll on, Kansas State," written by Lyle W. Downey, College band director, and a song written by H. Miles Heberer, associate professor in the Department of Public Speaking, were among those not cleared.

BIRTHS

To Roger Stewart, Ag. '30, and Alice (Holman) Stewart, a son, William Roger, born February 21 at the St. Mary hospital, Manhattan. Mr. Stewart is state representative of the federal Bureau of Agricultural Economics. Their home is at 1704 Humboldt, Manhattan.

FARRELL EXPLAINS USES OF 4-H CLUB-FIELDHOUSE

PRESIDENT WRITES EXPLANATION TO STATE LEGISLATORS

Building Would Be Utilized Effectively Six Days a Week Throughout School Year, He Claims

Pres. F. D. Farrell last week explained uses of the proposed 4-H club-fieldhouse at Kansas State College and pointed out that the building "would be used and used effectively six days a week throughout the entire college year."

President Farrell's statement, to clear up misunderstanding regarding the use that will be made of the proposed building, was made in a letter to Sen. O. W. Schwalm and Rep. John A. Holmstrom. The names of these men appear on the 4-H club-fieldhouse bills now pending in the Legislature.

WOULD USE FOR ROUNDUPS

"The 4-H club-fieldhouse will be used for two primary purposes: (1) Physical education and athletics, and (2) 4-H club roundups," the President said. "There doubtless will be many incidental uses. But these two are the principal ones."

"The number of 4-H club members who can be invited to the College at any one time is limited by the accommodations available here. There are between 20 and 25 thousand 4-H club members in the state and we can accommodate here not to exceed 1,500."

"The proposed fieldhouse would provide sleeping accommodations for a very much larger number, and hence would make it possible for a much larger number of 4-H club members to benefit from club roundups."

INTRAMURAL CONTEST

"In physical education the building will be used for a great variety of specific purposes, including the conduct of classes in physical education, the conduct of a large number and great variety of intramural athletics contests and for a smaller number but very important group of intercollegiate contests, particularly basketball."

"As you know, the seating capacity of the old gymnasium is much less than the student enrollment. This fact is the most spectacular but not necessarily the most important fact about the inadequacy of the present building."

"Equally important facts are that the College lacks adequate facilities for intramural athletic contests of various kinds, for basketball practice and practice in other sports, and for various other purposes connected with physical education but not making a particularly strong public appeal."

SIX DAYS A WEEK

"Unlike a football stadium which is used only 10 or 15 days out of a year, the proposed fieldhouse would be used and used effectively six days a week throughout the entire college year," President Farrell said. "In addition it would be used during the summer vacation for 4-H club roundups and other events of that sort."

JUNIOR VET ASSOCIATION SPONSORS ASSEMBLY SHOW

Four-Reel Film Will Picture Romance of Meat Industry and Cooking

"Meat and Romance," a four-reel film sponsored by the Junior American Veterinary Medical association, will be shown in a student assembly Thursday at 11 a. m. in the College Auditorium. The 40-minute film is divided into four sequences, with a three-minute technicolor film at the end.

The first part of the film suggests attractive and nutritive cuts which are not in common use and demand. Types of meat cookery which include roasting, broiling, braising and cooking meats in water are shown in the second sequence. Efficient and easy methods of meat carving also are shown. The last part of the film deals with meat and nutrition. The story is interspersed with the romance of a young married couple.

"The Junior AVMA invites Manhattan housewives as well as students," Dean R. R. Dykstra of the Division of Veterinary Medicine said.

Ray Rynnion Talks Here

Ray Rynnion, editor of the Kansas City Journal, was to speak to the Contemporary Thought class of senior journalists Wednesday morning.

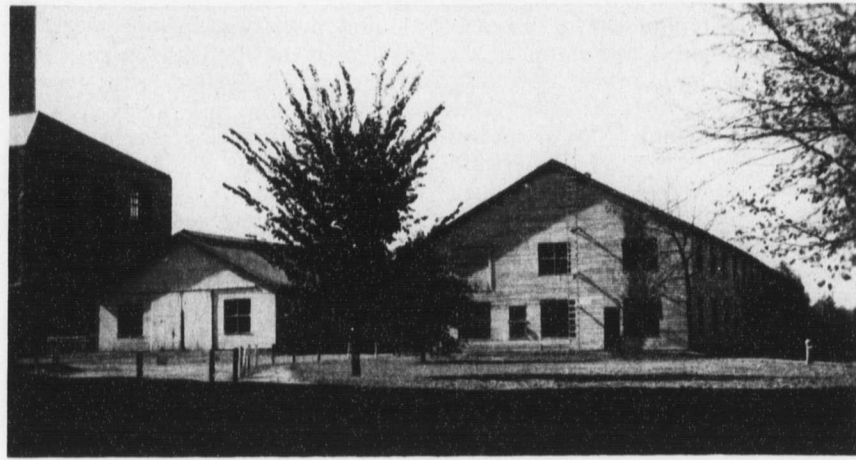
DR. H. L. IBSEN'S 30-YEAR GENETICS RESEARCH IS ALL BUT WIPED OUT IN SATURDAY'S FIRE

"I had the only experiment of its kind in the world," said Dr. H. L. Ibsen, professor of animal husbandry and nationally known geneticist, as he told of losing from 1,200 to 1,500 guinea pigs in the fire which burned the small-animal laboratory Saturday.

Doctor Ibsen said that if he could get a guinea pig of each type con-

good condition and so many nice experiments going," Doctor Ibsen said. "Why some of the more difficult types had been breeding true strain for 10 years."

It is necessary that Doctor Ibsen get back different types of the guinea pigs he sent to the laboratory in Bar Harbor because only those particular animals are useful with the previous



BARRACKS NOS. 3 AND 4

tained in the shipment of 30 which he sent to an experimental cancer laboratory at Bar Harbor, Me., last week, he could go ahead with his experiment. Otherwise, everything is lost, he added.

Doctor Ibsen plans to begin building new cages, providing he receives the necessary pigs from the Maine laboratory. At that, it will take from one to three years to get started, he said.

"Never have I had the stock in as

experimental records.

Many of the guinea pigs were from stock which Doctor Ibsen worked with 30 years ago at the University of Wisconsin and brought here with him 20 years ago. This represents years of research which would have continued had not fire halted the progress.

Doctor Ibsen did his undergraduate and graduate work at the University of Wisconsin, receiving a doctor of philosophy degree in 1916.

KANSAS ACADEMY PROGRAMS WILL BE DISTRIBUTED SOON

Annual Meeting Will Be Held Here April 3, 4 and 5; Mathematical Societies Also Will Gather on Campus

Printed programs will be distributed over the state early next week for the 73rd annual meeting of the Kansas Academy of Science, which will be here April 3, 4 and 5. Program arrangements for the meeting of the Junior Academy of Science which will meet here at the same time will be announced later.

The Kansas Academy of Science program will include sectional programs in botany, zoology, psychology, chemistry, physics, entomology and geology. Dr. Roger C. Smith, professor of entomology at Kansas State College, is secretary of the academy.

The two mathematical societies of Kansas and the American Association of University Professors also will meet April 5 in cooperation with the Academy of Science.

The opening meeting Thursday, April 3, will be in cooperation with the Kansas State College chapter of Gamma Sigma Delta. Pres. W. M. Jardine of the University of Wichita will lecture on Egyptian agriculture.

A symposium on "Science in National Preparedness," given Friday night under the auspices of the mathematical societies and the Kansas Academy of Science, will include Prof. William L. Hart, professor of mathematics at the University of Minnesota, who will speak on "Mathematics in National Preparedness," and Dean A. S. Langsdorf, Washington university of St. Louis, who will speak on "The Engineering Program in National Rearmament."

At the academy banquet Friday evening Dr. J. T. Willard, College historian, will give some reminiscences of early academy history.

MAX MARTIN PLAYS VIOLIN AT SUNDAY PERFORMANCE

Miss Alice Jefferson, Assistant Professor of Music, Accompanist

Max Martin, assistant professor in the Department of Music, played a violin recital Sunday afternoon in the College Auditorium.

He was accompanied by Miss Alice Jefferson, assistant professor in the department.

The program included the following numbers: "Sonata, D minor," by Brahms; "Concerto, D major (Ade-laide)," by Mozart; "Menuetto," by Milandre-Press; "Nocturnal Tanager," by Godowsky-Kreisler; "Montanese," by Nin-Kochanski; "Tornado Murciana," by Nin-Kochanski, and "Impressions of San Gabriel Mountains," by Horace Alden Miller.

Two Enter Contest

Franklin Flynn, Wamego, will represent Kansas State College in extemporaneous speaking, and Frank Seymour, El Dorado, will represent the school in oratory at the Missouri Valley Forensic tournament at the University of Kansas March 27 to 29. Flynn is a senior in business administration and Seymour is a sophomore in industrial journalism.

TRACK MEN PLACE SEVENTH AT ILLINOIS TECH RELAYS

Two-Mile Squad Wins Its Event, While Sam Johnson and Louis Akers Each Get Fourths

The Kansas State College track team collected 17 points and placed seventh in the meet as it finished its season at the Illinois Tech relays in Chicago last Saturday.

The two-mile relay team made 10 points and the only first place for the Wildcats when it won its event. The team included Loyal Payne, Manhattan; Rufus Miller, Hiawatha; Bill Burnham, St. Francis, and Jim Johns, Topeka.

Sam Johnson, Oswego, Kansas State middle-distance man, placed fourth in the 880-yard dash and third in the 440-yard dash to turn in one of the best individual performances on the Wildcat squad.

Louis Akers, Atchison, ran fourth in the 70-yard dash.

The Illinois Tech relays were the last indoor meet for the Kansas State team this year. The first outdoor meet will be at the Texas relays at Austin, Texas, on April 5.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Local governmental units that formerly were highly important have become unimportant and useless with the shortening of distances."

The development of modern transportation and communication systems has lessened distances. This has affected greatly the functions of the various governmental units in this country. Local governmental units that formerly were highly important have become unimportant or useless with the shortening of distances.

As this process goes on, there is a tendency to strengthen the powers and increase the duties of the governmental units covering the larger areas. The smaller governmental units may gradually lose their significance or they may find a new sphere of action in cooperation with the governmental units of the larger

A. A. U. P. Will Meet Today

The American Association of University Professors planned a luncheon meeting in Thompson hall, room 209C, at noon today. Prof. Robert W. Conover discussed plans for the spring convention.

WOMEN'S RIFLE TEAM GETS FOURTH IN KEMPER CONTEST

After Four Consecutive Annual Victories, Coeds Lose Trophy to Wichita U.

After four consecutive annual victories, the Kansas State College women's rifle team placed fourth last week-end in the Camp Perry indoor meet at Kemper Military academy, Boonville, Mo. The trophy went to the University of Wichita.

Those who represented the College were Dorothy Swingle, Manhattan; Karleen King, Hutchinson; Lucille Smith, Kansas City; Harriet Harbeck, Abilene; Jeanne Parcels, Hiawatha, and Margaret Van Horn, Larned. Accompanying them were Miss Kathleen Knittle, assistant to the dean of women; Sgt. Elmer Larson, coach of the team, and Lieut. Ernest D. Jessup of the Department of Military Science and Tactics.

Dorothy Swingle was awarded a medal for placing second with her grand aggregate score of 293. Awards were made at the annual Kemper-Camp Perry military ball Saturday night.

The team left Manhattan Thursday morning. Friday morning the team shot for individual scores, and team scores were shot Friday afternoon. After shooting targets for the expert qualification medal on Saturday morning, the team members were guests at mess of the Kemper Military academy and were conducted on tours of the school during the afternoon.

The women's scores were: University of Wichita, 395; Creighton university, 393; University of Kansas, 389; Kansas State College, 386.

The basic men's Reserve Officers' Training corps team placed fifth in the meet. It consisted of Jim Gerlach and David Blevins, Manhattan, Martin McMahon, Beattie, and David Totten, Clifton. Theodore Stivers, Rome, Ga., also made the trip, to participate in the men's individual competition.

The basic ROTC scores were as follows: University of Iowa, 739; Kemper Military academy, 738; Oklahoma A. and M., 725; Kemper Military academy (team No. 2), 724; Kansas State College, 717.

ARBOR DAY RADIO PROGRAMS WILL BE GIVEN NEXT WEEK

President Farrell and Dean Umberger to Write Messages for Broadcast

Special Arbor day broadcasts will be presented over the Kansas State College radio station, KSAC, on both Thursday and Friday, March 27 and 28.

The Thursday program, at 12:30 a. m., will include a discussion of trees and shrubs suitable for planting in Kansas for landscaping purposes and also some practical suggestions based on research work at the Kansas Agricultural Experiment station on the control of insects and diseases harmful to trees in this state.

The Friday broadcast, March 28, at 12:30 p. m., will be in special observance of Arbor day and will include messages from Pres. F. D. Farrell and Dean H. Umberger, director of the State Extension service.

42 MEN OUT FOR POSTS AT BASEBALL PRACTICE

FIVE WILDCAT LETTER MEN RETURN FOR THIS SEASON

Veterans of Previous Year Include Floyd Kirkland, Kenneth Graham, Warren Hornsby, Chris Langvardt and Ray Rokey

Forty-two aspirants for positions on the Wildcat baseball squad are working out in Nichols Gymnasium this week as they wait for warmer weather to permit them to practice outside. Practice thus far has consisted mostly of pitching and catching practice and a few pepper games.

Five of last year's letter men are back to form the nucleus of this season's team. They include Floyd Kirkland, Junction City, pitcher; Kenneth Graham, Framingham, Mass., first base; Warren Hornsby, Topeka, shortstop; Chris Langvardt, Alta Vista, outfielder, and Ray Rokey, Sabetha, outfielder.

KIRKLAND OUT FOR PITCHING

Kirkland is the only letter man to come out for the hurling staff this season. Several promising rookies have turned out, however, and several have had experience on the mound for the Wildcats. Among these recruits are Lee Doyen, Rice; Richard Gleue, Le Roy; Merlin Gustafson, Randolph; Martin Kadets, Natick, Mass.; Dean Nelson, Haddam; Vervyle Snyder, Mayetta, and Jack Wilson, Burrton.

Three men have reported to fill the vacancy left when catcher Ralph Marshall was graduated last year. Norbert Raemer, Herkimer; Jim Prideaux, Manhattan, and George Dalziel, San Mateo, Calif., are the Wildcat backstops this spring.

ROKEY IN OUTFIELD

Among the 13 men to report for infield positions this year are three letter men. Ray Rokey, an outfielder last year, has moved up to make a bid for the third sack this spring. Warren Hornsby has left his shortstop position to hold down second base and Kenny Graham, first sacker for the Wildcats last spring, will be in his old place. Other infield candidates are Oral Brunk, Norcatur; Ivan Cheney, Abilene; Dean Engwall, Jamestown; Francis Gwin, Leoti; Willis Lamer, Hays; William Robertson, Barnard; Gerald Marsh, Troy; Jim Vavroch, Oberlin, and Neal Hugos, Manhattan.

Candidates for the outfield are Chris Langvardt, a letter man last year, Alta Vista; Charles Anderson, Emporia; Jack Atherton, Waterbury, Conn.; Bill Cook, Manhattan; George Curtis, Toronto; John Gilkison, Larned; Jack Horacek, Topeka; Norman Kruse, Barnes.

WILDCAT NET TEAM MEETS WASHBURN HERE APRIL 10

Eldon Sechler and Jack Horacek Are Only Veteran Players Returning This Season

An inexperienced Wildcat tennis team will meet Washburn college here April 10 in the first game of the season. Only two of last year's letter men are returning this season, Eldon Sechler, Hutchinson, and Jack Horacek, Topeka, leaving places for two new men.

The two places probably will be filled from four of last year's numeral winners. The four are Vernon Plattner, Coffeyville; Gerald Klema, Wilson; Henry Lau, Arkansas City, and Henry Bender, Topeka.

There will be six games on the Kansas State courts this season, and the Wildcats will play five matches at other schools.

The schedule:

Apr. 10—Washburn here.
Apr. 16—Wichita here.
Apr. 18—Augustana here.
Apr. 19—Fort Hays State at Hays.
Apr. 26—Fort Hays here.
May 2—Nebraska at Lincoln.
May 3—Iowa State college at Ames.
May 8—Oklahoma here.
May 9—Wichita at Wichita.
May 10—Kansas at Lawrence.
May 13—Washburn at Topeka.
May 16—Missouri here.

DEAN CONRAD AND SCHOLER APPEAR ON ROAD PROGRAM

Acting Head of Division Gives Opening Talk at Topeka Conference

L. E. Conrad, acting dean of the Division of Engineering and Architecture, and Prof. C. H. Scholer of the Department of Applied Mechanics participated in the Kansas Highway Engineering conference in Topeka last Thursday.

Dean Conrad gave the opening address Thursday morning.

THE KANSAS INDUSTRIALIST

Volume 67

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Number 24

THEUNIS KLEINENBERG DIES FIGHTING ITALIANS

GRADUATE OF 1926 IS KILLED IN
AFRICAN BATTLE

Dean L. E. Call Tells of Student's Death
Through Letter; Faculty Speaks
Highly of His Days
on Campus

Reported killed in action with British forces in Africa on January 25, Lieut. Theunis Kleinberg is the first Kansas State College fatality in the present war, according to information received last week by Dean L. E. Call of the Division of Agriculture.

The news was contained in a letter to Dean Call from L. L. Houx, a former student at the University of Illinois who is now in South Africa. Although he did not know Mr. Kleinberg, Mr. Houx said he had heard a great deal about him because they had both studied in American colleges. Mr. Houx also included a newspaper article from the Johannesburg Star telling of the Kansas State College graduate's death in action against the Italians.

GRADUATED IN 1926

Mr. Kleinberg was born October 11, 1900, a resident of Pietersburg, Transvaal, South Africa. He received his Bachelor of Science degree in agriculture here in 1926.

Dean Call, who had corresponded with Mr. Kleinberg after his graduation, said, "He was a student of mine, an excellent one. He had a practical knowledge of farm problems and was a leader in student activities in the Division of Agriculture."

MAJORED IN ANIMAL HUSBANDRY

"Tim," as he was known to everyone here, majored in animal husbandry, was a better-than-average student; a member of Farm House, social fraternity; Alpha Zeta, honorary agricultural fraternity, and a member of Block and Bridle, animal husbandry club.

While a member of the Cosmopolitan club, Mr. Kleinberg visited Miss Jessie McDowell Machir, registrar, at her home. She recalls that once when the Cosmopolitan club met there, each member was asked to do something characteristic of his own country. "Tim" was modest and refused to perform. Later in the evening, when unnoticed, he went to the piano and began playing melodies reminding him of his native land.

"That was characteristic of him," said Miss Machir. "Tim was a fine fellow, modest; everyone that knew him will be sad to hear of his death."

MEMBER OF JUDGING TEAMS

Mr. Kleinberg, a member of both the junior and senior livestock judging teams, "was popular, a sound-thinking boy, sincere and hard working, and a high-ranking man on the team," said Prof. F. W. Bell, coach of the team.

Dr. C. W. McCampbell, head of the Department of Animal Husbandry, the department in which Mr. Kleinberg majored, said, "He was known as 'Tim' by his fellow students and was a most unusual young man, courteous, cultured, kindly, scholarly and respected by all those who were privileged to know him."

Another faculty member remembered Tim as the boy with the three-quarter-length, sheep-lined coat, with the big collar, and when it snowed he turned the collar up so all you could see was his curly head sticking out the top of the coat.

Miss Rice Leaves Today

Prof. Ada Rice of the Department of English at the College, national president of the American College Quill club, leaves Wednesday to visit chapters of the club at Fort Hays Kansas State college and the University of Wyoming, Laramie. Enroute, Miss Rice will attend the regional meeting of the National Council of Teachers of English in Colorado Springs, March 27, 28 and 29. She will return March 31.

The Early History of Campus Literary Societies

By J. T. WILLARD
College Historian

Throughout a large fraction of the history of Kansas State College literary societies played an important part. Without disparagement of the work of those which still survive, it is certain that they are comparatively unimportant now.

The first organization of this character was the Bluemont Literary society, the minutes of the meetings of which have recently been brought to light. Most of these records were very neatly and legibly written, and good ink was nearly always used. The minutes of the first three regular meetings were not dated. The fourth was held December 17, 1864, and as subsequent meetings were held weekly, it seems probable that the first regular meeting was held November 26. The minutes of this meeting are as follows:

Regular meeting of the Bluemont Literary Society. The first that was ever held in the Agricultural College. The meeting was called to order by Mr. Weybright, the president, after which the following question was debated: "Resolved that the Indians have more cause to complain of the abuse of the white man than the Negro." The chief disputants were Mr. Kimble on the affirmative and Mr. Ayres, senior, on the negative. After a sharp contest of near an hour the decision was called for and given in favor of the negative. The house being in committee of the whole, after having elected Mr. Bliss to a membership, selected the following question for the next debate: "Resolved that the pen is mightier than the sword."

A motion was then made to adjourn and carried.
J. J. Points, Sec'y.

These minutes indicate clearly that preliminary meetings had been held previously, and that the organization was primarily for practice in debate. At the third meeting the question discussed was: "Resolved that the invention of printing has been a greater blessing to the world than the invention of gunpowder." The discussion of this question was continued at the fourth meeting also.

At the third meeting, Mary Green, Hattie E. Mather and Ellen Denison were elected to membership, but no mention is made of their participation in debate at later meetings. The primitive character of conditions is shown by the record that at the fourth meeting, a motion was carried which provided for reimbursement of Mr. Points for paper and candles furnished the society by him.

One of the provisions of the constitution was that the society meetings should be opened with prayer, usually designated in the minutes as devotion. This practice was followed by the societies organized later. It is hard to explain the origin of this custom for societies having purely secular activities.

The topics chosen for debate were varied in type, but usually marked the fields of interest of young men of that period. Some were abstract in nature, but generally a concrete, practical question was chosen. As months and years went on some questions reappeared, perhaps with a change in the form of statement.

When this society was organized the war between the states was in progress and debates were held upon subjects connected with it or with war from a general point of view. Among these were:

Resolved that the North is the most guilty party in this war.

Resolved that the late war was more beneficial than injurious.

Resolved that the highest good of a state demands occasional wars.

Resolved that the United States should assist in expelling the French invaders from Mexico.

Political and economic questions were of constant interest, but party differences were not discussed, perhaps because sentiment was too one-sided in Kansas at that period. The following subjects indicate something of the range of interest.

Resolved that the whole of North America ought to belong to the United States.

Resolved that George Washington conferred greater benefits upon the United States than Abraham Lincoln.

Resolved that woman has the natural right to vote and hold office of public trust.

Resolved that the signs of the times indicate the dissolution of the Republic.

Resolved that labor has done more in developing the age than capital.

Resolved that the city of Manhattan would be benefited by licensing a liquor saloon.

A large fraction of the topics discussed were sociological or related to education. Many were debated more than once with slight variations in form. The following are examples:

Resolved that slavery is a greater evil than intemperance.

Resolved that secret societies are beneficial.

Resolved that education produces more happiness than wealth.

Resolved that married life is preferable to single life.

Resolved that constitution has more influence over the character and actions of men than education.

Resolved that it is better to educate the sexes together than separately.

Resolved that female suffrage would be a social evil.

Resolved that capital punishment should be abolished.

Resolved that the teaching of military art and science in our state institutions will be detrimental to the best interests of the United States.

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(Continued on last page)

Is Named Dean



HOMER J. HENNEY

HOMER HENNEY IS NAMED DEAN AT COLORADO STATE

Graduate Will Head Agricultural Division and Direct Experiment Work at Fort Collins

Homer J. Henney, Ag. '21, M. S. '28, was appointed dean of agriculture and director of the experiment stations at Colorado State college, Fort Collins, Colo., according to an announcement Saturday by the Colorado State Board of Agriculture.

Mr. Henney was born in 1897 at Willis, Kan. He completed his high school education at Horton in 1914. After attending Baker university at Baldwin for two years, he enlisted in the National guard and saw active duty along the Mexican border. He later attended Kansas State College, but was called into service with the American Expeditionary forces in France, receiving a commission as a first lieutenant. After the war, the army sent him to Montpelier college in France to study agriculture. He was graduated from Kansas State College as an animal husbandry major in 1921.

Immediately after graduation, he worked as a herdsman for Shellenbarger and Andrews of Cambridge, Neb. From June, 1921, to April, 1925, he was in charge of cost production, a cooperative project with the United States Department of Agriculture and the Department of Agricultural Economics at Kansas State College.

He was manager of the Clover Cliff Ranch corporation farm of Chase and Greenwood counties from 1925 to 1927, when he returned to Kansas State College to teach and do research in agricultural economics until May, 1938, with the exception of the summer of 1929 to do work at Chicago university and a year's study in 1933 at the University of Minnesota.

He left Kansas State College to become senior agricultural economist for the Federal Crop Insurance corporation, U. S. D. A., Washington, D. C., until March, 1940. From that time until the present he has been program-planning specialist for that corporation.

He will begin work at Colorado State college next July.

He is married to the former Grayce Cole of Cambridge, Neb., and they have a son, Edward Nathan, 15.

MILITARY SCIENCE BUILDING IS GIVEN STATE APPROVAL

Governor Signs Bill Appropriating \$30,000 for New Campus Structure

Gov. Payne H. Ratner Wednesday signed a bill appropriating approximately \$30,000 for a military science building on the campus. The building will be financed jointly by the federal government and a state appropriation.

Pres. F. D. Farrell said that the new building, which will be started as soon as plans have been approved by the state architect, will be of white limestone to conform with other campus buildings.

The new building is expected to be located west of West Waters hall near where Seventeenth street enters the north side of the campus.

GENERAL SCIENCE LEADS DIVISIONS IN ENROLMENT

TOTAL NUMBER OF STUDENTS THIS
SEMESTER IS 3,653

Engineering and Architecture in Second Place, While Home Economics Ranks Third and Ags Are Fourth

The Division of General Science, with an enrolment of 1,054 students, tops all other divisions for the second semester at Kansas State College, according to a tabulated report issued last week by Miss Jessie McDowell Machir, registrar.

The net total in enrolment at the College is 3,653 students, including 2,495 men and 1,158 women. A grand total of 3,696 students includes three students with dual assignments and 40 students having both graduate and undergraduate assignments.

ENGINEERING IS SECOND

The enrolment of 1,054 students in the Division of General Science is divided as follows: general science, 333; business administration, 187; industrial journalism, 140; physical education, 78; business administration and accounting, 65; preveterinary, 61; industrial chemistry, 47; music, 42.

Second on the list is the Division of Engineering and Architecture with an enrolment of 937 students, five of whom are women. The enrolment by curricula includes: mechanical engineering, 317; electrical engineering, 214; chemical engineering, 147; civil engineering, 147; agricultural engineering, 47; architectural engineering, 37; architecture, 25; industrial arts, 18.

AGRICULTURE HAS 664 STUDENTS

In the Division of Home Economics, which ranks third with an enrolment of 816, the curricula enrolment is divided as follows: home economics, 530; institutional management and dietetics, 153; home economics and nursing, 60; home economics and art, 40.

Enrolment in the Division of Agriculture, which totals 664, including two women, by curricula is: agriculture, 347; agricultural administration, 172; milling, 73; specialized horticulture, 23; animal husbandry and veterinary medicine, 2.

VETS NUMBER 223

The Division of Veterinary Medicine reported a total of 223, including two graduate students and one woman student.

The enrolment for the Division of Graduate Study for the second semester is 153 men and 59 women, a total of 212.

LITERARY GROUPS TO VIE AT ORATORICAL CONTEST

Four Societies Will Send Best Speakers into Verbal Battle Friday

Four College students will contest for a \$5 prize at the annual Inter-society Oratorical contest Friday evening in Recreation Center.

The students, who will represent the four College literary societies, will give orations approximately 10 minutes long on subjects of their own choosing. Those who will participate in the contest are Marjorie Force, Wheaton, Browning Literary society; Marcile Norby, Cullison, Ionian; John Martin, Winfield, Hamilton, and Orville Burtis, Hymeir, Athenian.

Judges of the contest will be Mrs. M. S. Spencer, Manhattan townswoman; W. C. Troutman, associate professor in the Department of Public Speaking, and R. W. Conover, professor in the Department of English.

After the contest the four literary societies will have a dance in Recreation Center.

Crowds Attend Drama

Large crowds attended the performances of "Death Takes a Holiday," production of the Manhattan Theatre presented Friday and Saturday nights. More than 1,000 persons saw each show. Keith Thompson, Wichita, and Mary Marjorie Willis, Newton, played the leading roles.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKREY, Editor
JANE ROCKWELL, RALPH LASHBROOK,
HILLIER KRIEGBAUM, Associate Editors
KENNEY FORD, Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in The KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of The KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in instalments. Membership in alumni association included.



WEDNESDAY, MARCH 26, 1941

REASSURANCE

Men will welcome the special exhibit which is being planned for them in connection with the annual Hospitality days of the Division of Home Economics.

In the first place, the exhibit will provide a special reason for men going to Calvin hall. They always enjoy the visit but do not often enough have a really good occasion for it.

In the second place, men will welcome the information contained in the exhibit, which will deal with financial, nutritional and other problems of the home. The apparent indifference of many husbands and future husbands to such problems is merely a mask for a keen interest matched only by an abysmal ignorance which hesitates to reveal itself.

In the third place, as The Kansas State Collegian gravely comments, "It will demonstrate that men as well as women are necessary in home-making. . ."

That is indeed a welcome thought in topsy-turvy times like these!

WAR AS EDUCATION

Since fellowships are awarded to the relatively young, it was inevitable that the Rockefeller Foundation's fellowship program should, of all its activities, first feel the effect of war. Many fellows who were citizens of belligerent nations gave up their appointments at once to join the colors. Others from neutral lands found it inadvisable, in a number of instances, to carry on studies in the institutions to which they had been accredited. Many adjustments and readjustments had to be made. On September 1, 1939, there were 95 fellows of the 1938-1939 appointments, most of them due soon to return home. At the same time there were 207 fellows under appointment for 1939-1940, some of whom had already arrived at their posts and were at work, while others were either en route or just on the point of leaving for their new positions. Following the outbreak of war, the Foundation was obliged to take action which amounted to a temporary cancellation of fellowship exchange between Europe and America. In the case of most Europeans in the group still at home, appointments had to be rescinded. European fellows already at work in the United States were notified that the Foundation was willing to continue all fellowships to their normal termination, but, if the recipients so desired, it was prepared to facilitate their return home. By the end of 1939, 154 fellowships had been terminated because of the war.—Raymond B. Fosdick, in the Rockefeller Foundation Review for 1939.

SPIRITUAL FATIGUE

We cannot acquit democracy itself. It may very well be that the conduct of foreign affairs under a democracy is much less changeable and capricious than under an autocracy. But it is clear that nonetheless the tendency to postpone action is even more clearly marked in a democracy than in an autocracy. In all states, whatever may be their constitution, inertia plays a most powerful part, but in none so much as in a democracy. During the post-war years this tendency to postpone consideration of difficult problems was exaggerated just because those were the post-war years. The mental and spiritual fatigue that followed the war had hard-

ly disappeared when the economic blizzard hit the world. The extension of the incidence of war itself (*la guerre totale*) meant that this fatigue was probably more widespread than after any previous conflict since the Thirty Years war.

This was the more important since it was during the Twenties that the opportunities should have been taken. Though they did not know it, the statesmen of that period were working against time. They could not foresee the effects of the inflation in Germany and of the economic crisis of 1931. Inertia and fatigue encouraged them to regard the new institution as a plant and allow it to grow. Had they realized what lay ahead they might have thought of it as a fortress or at least as a break-water, and have spent those precious 10 years in building.—From International Conciliation.

CITIZENSHIP AS A VOCATION

At the conclusion of the institute, Spencer Miller Jr. summarized the discussion at the various sessions and concluded with the reflection that the fellowship that they had enjoyed over the week-end upon the campus of Kansas State College should help them all as they went back to their respective organizations in an attempt to interpret to them the importance of labor's contemporary problems. We have found it possible in the atmosphere of an educational institution for the representatives of the divided household of labor to meet and discuss their common problems without rancor and with reason. It is a promise of the unity which all hope will come one day in the trade union movement.

But, Mr. Miller concluded, we are all American citizens before we are workers or teachers. That is primary. The true vocation of every man is to be a good citizen in his own community and in the world. As citizens we must never forget the promise of American life to the world. America was once the New World—a new world to a torn and dismembered Europe of that day. America can again be a New World to a torn and dismembered world. As labor helped to build this new world on a new continent, it may yet be privileged to help America build a New World for the family of nations.—From a special number of the Workers' Education News devoted to the Labor institute held at Kansas State College, in December.

THE AMERICAN IDEA

There is what I call the American idea. This idea demands, as the proximate organization thereof, a democracy—that is, a government of all the people, by all the people, for all the people; of course, a government of the principles of eternal justice, the unchanging law of God. For shortness' sake, I will call it the idea of Freedom.—Theodore Parker.

THE MEAT AMERICANS EAT

According to the Institute of American Meat Packers, the people of the United States last year consumed over 18½ billion pounds of meat and lard—a total representing 145 pounds for every man, woman and child in the country.—From the Pathfinder.

IN OLDER DAYS

From the Files of The Industrialist
TEN YEARS AGO

William N. Moreland, '28, was in the weather bureau office in San Francisco.

Ferdinand Voiland Jr., '25, was head of the new publishing firm of Voiland Printing company in Topeka. Mr. Voiland formerly was a member of the Department of Public Speaking.

Dr. Margaret M. Justin, dean of the Division of Home Economics, went to Wichita to investigate the application of the University of Wichita for recognition in the American Association of University Women. Doctor Justin was a member of the national committee to examine applications.

TWENTY YEARS AGO

F. W. Christensen, '00, was professor of animal nutrition at the North Dakota Agricultural college.

After 10 years of service as head of the Department of English of this College, Prof. J. W. Searson resigned to take over his new position as professor of English in the University of Nebraska and editor for the Uni-

SCIENCE TODAY

By C. O. SWANSON
Professor of Milling Industry

Modern taste demands white flour. In spite of a quarter of a century of efforts to promote the use of whole grain flour, its consumption at the present time constitutes approximately only about 2 percent of the total flour manufactured.

The wheat kernel consists mainly of three parts, the germ about 2 percent, the bran about 14 percent and the inside endosperm about 84 percent. In milling, however, only about 72 percent of the wheat is obtained as white flour. This is because the endosperm clings very closely to the bran.

White flour is possible only by making a clean separation of the bran and germ from the endosperm and converting the latter into a fine white product. Aside from taste, white flour free from bran and germ keeps better in storage and this is an important consideration in modern commercial conditions under which flour is shipped long distances and stored for considerable periods.

The wheat kernel was not made to be milled into flour, but to produce another plant. Since the bran is on the outside and the endosperm on the inside, the problem of milling is to remove the outside bran so that the inside endosperm can be crushed into fine flour. The smallness of the flour particles may be realized from the fact that there are over 600,000,000 in a pound.

The one physical characteristic of the wheat kernel which makes milling possible is that the bran and the germ are a little tougher than the endosperm. Therefore, under the same impact of milling machinery, the endosperm is crushed into finer particles than the bran and the germ, and this makes possible the separation by sieves. This differential in toughness is increased by adding water so as to increase the moisture content of the wheat to between 15 and 16 percent, depending on the kind of wheat. This process is known as tempering and without this, it is not possible to make a pure white flour, especially from hard wheat. Before the adoption of tempering, consumers discriminated against flour from hard wheat because of its darker color as compared with the flour from soft wheat.

In the old process of milling by crushing the grain between revolving stones, much of the bran was crushed so fine that it could not be separated by sieves. The first improvement was the so-called high grinding, developed in Hungary, and was hence known as the Hungarian process. The grain was partly ground between one pair of stones, then the product was sifted so as to remove the coarsest bran particles. The throughs from the sieves with less bran and more endosperm were reground between another pair of stones and the process of sifting and regrounding repeated several times,

the number depending on the facilities of the mill and the kind of flour the trade preferred.

In modern milling, the crushing is accomplished by means of steel rolls whose general shape is like huge rolling pins. The "handles" or axles fit into bearings for the transmission of power by means of pulleys and belts. These rolls are in pairs and are made to revolve toward each other, one faster and one slower. The rolls used for the first crushing processes are corrugated, that is, very small grooves run lengthwise of the rolls. These break open the wheat kernels and then remove the endosperm from the bran in a more or less granular form. The rolls used for the secondary crushes have smooth surfaces. These pulverize the granular endosperm particles into the fineness of flour. Because of the different speeds of both kinds of rolls there is also a shearing action.

The milling process is mainly one of partially crushing or grinding, then sifting, recrushing or grinding, and resifting. This process is repeated time and again. Each time more endosperm is removed from the bran, or the endosperm is freer and freer from the bran. The germ, because it is a little more tough, is flattened in passing between the smooth rolls and hence can be sifted out from the finer endosperm particles.

Each time the partially ground product is sifted, some flour is obtained. Since there are many crushings and siftings, and since some flour is obtained from each operation, the flour grades known as straight patent and clear are possible. These grades differ from each other, mainly in their freedom from bran particles and the fineness to which the endosperm has been crushed.

But modern milling, by ministering to the tastes of people, has brought a nutritional problem because vitamins, particularly vitamin B₁, are several times as concentrated in the bran as in the endosperm from which the white flour is made. Since the efforts to induce people to consume more of the outer covering of the wheat have seemingly failed, the efforts are now directed toward enriching white flour in vitamins.

It should be remembered that the modern milling process was invented long before vitamins were known. Millers are alive to the importance of this problem and have taken steps toward the fortifying of white flour in vitamins. One question is: Will the public pay the additional cost? The English government has made the addition of vitamin B₁ as well as a calcium salt compulsory, and these additions must be made at the mills where accurate control of the amounts can be achieved. This step has been taken to protect the health of the people in the war emergency, and the millers are protected from loss due to the additional cost.

versity Publishing company.

Leo C. Moser, '17, was director of the educational and publicity department of the farmers' grain marketing committee. He moved from Des Moines, where he had been associate editor of the Iowa Homestead, to Chicago.

THIRTY YEARS AGO

W. H. Edelblute, '92, was elected colonel of the Second Idaho infantry. Mr. Edelblute was United States mineral surveyor for Idaho.

Those elected to YWCA offices for the coming year were Mildred Inskip, president; Stella Manley, vice-president; Murrel Sweet, secretary; Mabel Broberg, treasurer.

Harlan I. Davis, field secretary for the Kansas State Temperance union, was the speaker in student assembly. Mr. Davis told of the progress that Kansas had made toward state-wide prohibition.

FORTY YEARS AGO

Prof. Herbert Roberts, M. Sc., of St. Louis, was elected to the chair of botany vacated by Professor Hitchcock.

President Nichols went to Berea, Ky., to attend the funeral services of G. T. Fairchild, former President of Kansas State College.

C. A. Scott of the senior class ac-

cepted a position with the Division of Forestry, United States Department of Agriculture, Washington, D. C., effective July 1.

FIFTY YEARS AGO

Lieutenant Bolton lectured before the students of the Manhattan high school on the subject, "The Military School at West Point."

H. S. Willard, '89, returned from Kansas City, where he had attended the medical university and was again studying medicine with Doctor Robinson.

Among the names of persons granted county certificates as normal institute instructors were Bertha Bacheller, '88; Lillie B. Bridgman, '86; W. J. McLaughlin, '87, and E. O. Sisson, '86, with E. B. Bacheller, third year in 1880, and G. L. Clothier, third year.

SIXTY YEARS AGO

John A. Anderson visited the College campus.

E. E. Ewing, editor of the Kansas Farmer, was compelled to retire because of illness.

At the meeting of Alpha Beta society the question, "Shall Religious Liberty Be Allowed to All?" was debated by members of the society and decided in the affirmative.

KANSAS POETRY

Robert Conover, Editor

FOUR ELEMENTS

By Kenneth Porter

Late lavish rain
dissolves the dust:
on steel and grain
the taint of rust.

Father of Fire,
the welcome sun
withers to wire
stalks but begun.

The ripening wind,
sooth once as oil,
gone mad has skinned
the pregnant soil.

Elements three—
fire, water, air—
their chemistry
seldom is fair.

Vicious, they sport
against the fourth—
bairn and abort
the patient earth.

Kenneth Porter, a native of Sterling and an instructor in American history at Vassar college, Poughkeepsie, N. Y., is the author of a collection of poems, "The High Plains." In June, 1940, he was awarded the Golden Rose of the New England Poetry club, a decoration annually conferred by that organization on an American poet.

SUNFLOWERS

By H. W. Davis

SELF-DIAGNOSIS

It isn't "spring" fever. It's something else—some other kind. I've already had it three or four times this troublous year of 1941, but spring hasn't shown the slightest symptoms of breaking out.

It isn't laziness either, for my laziness has no subtlety. It's just the plain work-shy, easy-chair, comfortable mattress type, with more aversion to all forms of profitable labor than Rip Van Winkle exhibited. And it's not at all seasonal—not even weather-influenced. I'm just as likely (or sure) to be lazy in a roaring blizzard as in a balmy breeze, in December as in May, as they say of love in the old song.

I think what I'm suffering from this year is a sleepy feverishness brought on maybe by a complication of things. One of them, I suspect and admit, is the delay of spring—these cold snaps, local and general snows, the insistent refusal of the mercury to climb. Another is my inability to figure anything out of the world situation that appeals effectively to what I used to call my intellect. Still another is no golf. Other factors may be mixed, but I'm too downhearted to think them up and make them lie down end-to-end on paper.

You have this dulling feverishness too, I'll bet. You display the same symptoms I see in me. You look as if you sort of suspect that all you've tucked away will go for defense taxes anyhow, so what's the use? If you can just sit and doze away or fling yourself on a firm, soft bed somewhere and get a good nap, everything will be all right—or as all right as things can be until Hitler is eliminated and the revenue boys have squeezed everything squeezable out of you.

Yes, it's an all out affair from here on—all out, in and out, out and out, down and out. And the outest thing of all will be purses and pockets. And the only way to win is cleverly to beat insolvency to the tape with happy resignation—the only kind of resigning that doesn't involve your job and your grip on things. The tax lads can get you until they can't, you know. There's something in that.

"What's that have to do with my phoney 'spring' fever?" you pertinently ask. Maybe a lot. I'm square with Uncle Sam for 1940, I hope. In a fortnight or so I'll be square with Kansas, I hope. Before then I must renew the insurance on my home. Shortly after that I must protect my car and the things and people it may bump into for another year. Next spring everything will be worse.

No, maybe it isn't the late spring, the world situation, the absence of golf, or anything we offer so alibi-like. Maybe it's this creeping, crawling paralysis of taxes that has us dazed. It's tax fever, no more, no less.

What of it? The same defense will still work. Beat insolvency to the tape with happy resignation. Smile! And pay! And still smile. What a sandwich!

AMONG THE ALUMNI

Charles W. Earle, B. S. '90, a painter, now lives at 857 Manchester, Los Angeles, Calif.

John Stingley, B. S. '94, 2925 Mitchell avenue, St. Joseph, Mo., is a funeral director. He is the vice-president of the Kansas State Alumni association group there.

Frank H. Graham, E. E. '13, has changed his address in Wilksburg, Pa., to 760 Hill avenue. He is an engineer with the Amsler-Morton company, Fulton building, Pittsburgh, Pa.

Victor F. Stuewe, Ag. '15, is farm service assistant for the Federal Land bank, Wichita. He had been county agent in Minneapolis until March, when he began his work in Wichita.

Fred Cocherell, E. E. '23, is with the plant records department, Public Service of Colorado, Denver. His daughter, Barbara, is enrolled as a sophomore in the Division of Home Economics. The Cocherells' Denver address is 1125 South University boulevard.

C. W. Currie, f. s. '24, is manager of the real estate department of the Farmers' and Bankers' Life Insurance company, Wichita. He was recently elected president of the Kansas State alumni group in Wichita. He and his wife, Virginia (Carney) Currie, f. s. '25, live at 3325 Edgemont place, Wichita.

E. C. Kielhorn, Ag. '25, cattle man of Cambridge, and his wife, Jeanette (Stitt) Kielhorn, f. s. '23, live on a cattle ranch.

P. R. Carter, D. V. M. '26, a reserve officer of the army, first lieutenant, Veterinary Reserve corps, has been ordered to one year of active duty, training at Ft. Snelling. His permanent address is 3736 Forty-Seventh avenue, South, Minneapolis, Minn.

Helen (Clydesdale) Schutte, H. E. '28, writes that her husband, Leo, was called to active duty in the army for one year on January 22.

"We are at Camp Hulen, Texas, where he is a major with the Sixty-Ninth Coast artillery," she wrote. "Our address for the present is Box 627, Bay City, Texas. So far we are the only ones here at this camp from the Middle states—all others being from New England states and Southern states."

Merlin Mundell, G. S. '29, M. S. '31, and Joyce (Lee) Mundell have a daughter, Shirley, 6. They live at 9 Gude avenue, Takoma Park, Md. Mr. Mundell is an assistant biochemist.

Cleo O. Baker, C. E. '30, Prof. Deg. '36 in C. E., is resident engineer for the Kansas Highway commission. His wife, Reva (Stump) Baker, was graduated in 1929. They live at 2218 West Thirty-Ninth, Kansas City, Kan.

Raymond W. O'Hara, Ag. '30, and Sarah (Geiger) O'Hara, f. s. '28, live at 1713 Tyler, Amarillo, Texas. Their daughter, Ruth Elaine, is 4. Mr. O'Hara is regional farm management specialist for the Farm Security administration, Region 12, with headquarters at Amarillo.

Paul C. Westerman, I. J. '31, Ann Arbor, Mich., has been promoted to captain in the Infantry Reserve corps of the United States army and ordered to a year's active duty training at Ft. Knox, Ky., training headquarters for the army's armored forces. He was employed by the Printing department of the University of Michigan, Ann Arbor.

Ruth (Glick) Carr, M. '31, and Dr. Robert Carr, a University of Kansas graduate of '29, live at 318 West Third, Junction City. They have two daughters—Judith, 4, and Jane, 2.

Adrian E. Winkler, Ag. '31, is service manager at the Gilman garage, 1111 Moro. Mr. Winkler is married and has three children. Before coming to Manhattan, he had been a mechanic for nine years at Maplehill.

Ruth E. Jenkins, G. S. '32, was married June 9 to Clem Tuggle, and they now live at 1126 Kearney street, Atchison. Mrs. Tuggle formerly taught in the high school at Atchison.

Henry W. Allard, I. J. '32, a first lieutenant, is on extended active duty with the regular army in the newly created armored force. He is on three-year military leave from Cudahy Packing company for which he

worked before volunteering for service with the medium tanks.

"Hard work, long hours and new things to learn make life interesting and too full for outside interests," he writes. "I noted that Kansas State wasn't the best this year on the football field—particularly as I am one of two Kansas State graduates in the regiment—many being from Missouri, Nebraska, Wichita university and Oklahoma.

"Orval J. Abel, '35, is the other graduate from Kansas State in the regiment."

Ray J. McMillin, P. E. '32, M. S. '32, and Mildred (Castleman) McMillin, f. s. '31, have three children, Alvin, Ann and John. They live at 124 North Jefferson, Junction City. Mr. McMillin is working for the City Ice company, a cold-storage and private-locker service.

Robert August Evers, G. S. '33, is a science instructor and dean of boys at Quincy junior high school, Quincy, Ill. Mr. and Mrs. Evers have a 4-year-old daughter, Marilyn, and live at 1303 1-2 State street, Quincy, Ill.

Capt. Donald R. Johnston, C. '33, has been called into active duty and is stationed at Parks Air college, East St. Louis, Ill.

Samuel C. Walker, C. E. '33, and Helen (Standefor) Walker, f. s., are at 539 West Eleventh street, Junction City. Mr. Walker is county engineer of Geary county.

Richard S. Bean, E. E. '34, is engineer for the Champion Paper and Fibre company, Houston, Texas. His address is 8341 Glenbrook drive, Houston.

Eleanor Jane Irwin, H. E. '34, is dietitian at the Marine hospital, Ellis Island, N. Y.

First Lieut. Donald Woodman, Ag. '35, has been ordered to Ft. Warren, Wyo., for duty in the United States army. Since graduation, he has been landscape gardener for the Civilian Conservation corps at Ft. Riley.

Houston B. Bliss, Ag. '37, is a landscape architect with the firm of Baker brothers at Dallas. His address is 2611 Harrison.

Lizzibell (Bryant) Johnson, f. s. '37, has moved to 2517 Durr street in Parsons. Her husband, Kenneth Eugene Johnson, Ag. '39, is still collecting for the International Harvester company.

Verner E. Danielson, Ag. '38, married Alice Crone June 11. They are living in Dexter, Mo., where Mr. Danielson is with the Doane Agricultural service as farm manager.

Visiting the campus were D. C. Creighton, M. I. '39, and E. Dale Sadler, M. I. '39. Mr. Creighton is processing engineer for the General Foods corporation, Battle Creek, Mich. Mr. Sadler is an apprentice miller with Igleheart brothers, Inc., Evansville, Ind.

Mark Leon Greenberg, D. V. M. '40, is veterinary inspector for the Bureau of Animal Industry at St. Paul, Minn. He was married September 15 to Goldie Weintraub, a graduate of New York State Teachers' college. Their address is 960 Goodrich avenue, St. Paul.

Graduates of 1940 in chemical engineering who are working all over the United States are reported by W. L. Faith, head of the Department of Chemical Engineering, as follows:

Park L. Morse, 3805 Sixth street, Port Arthur, Texas, is with the Texas Oil company there.

Robert Lee Mueller is a graduate student with the department of chemical engineering at the Illinois Institute of Technology, Chicago.

Carroll Dean Owensby is a graduate student at Columbia university. His address is 727 John Jay hall, Columbia university, New York City.

Victor R. Piatt, 1222 Massachusetts avenue, N. W., Washington, D. C., is with the United States Civil Service commission.

Virgil L. Simpson is employed by the Kanotex Refining company, Arkansas City.

George H. Smith works in the road materials laboratory for the Kansas Highway commission, Manhattan.

Ivan R. Smith is in the explosives division at Memphis, Tenn., of E. I. du Pont de Nemours and company. His address is 129 Stonewall, Memphis.

Morton Smutz is working for the Monsanto Chemical company, St. Louis, Mo.

Don A. Snyder is with the natural gasoline department, Phillips Petroleum corporation, Borger, Texas.

LOOKING AROUND

KENNEY L. FORD

Alumni with B. A. I.

Alumni who are doing field work for the Bureau of Animal Industry, United States Department of Agriculture, in Kansas include Dr. Harry Schaulis, '29, at Clay Center; Dr. Roscoe E. Fahnestock, f. s. '15, at Marion; Dr. Louis H. Smith, '28, 1610 Partridge avenue, Parsons; Dr. L. E. Spong, G. S. '35, D. V. M. '37, Enterprise; Dr. Ross L. Jewell, '40, Beloit; Dr. G. H. Mydland, '14, Horton, and Dr. Ray S. Pyles, '37, with the Division of Veterinary Medicine.

Livestock Men Elect

Officers elected at the Kansas Livestock association meeting in Wichita, March 6, are James Thomson, f. s. '92, Wakarusa, president; Edward F. Moody, '39, Phillipsburg, vice-president; Roy Freeland, '37, Topeka, secretary.

William Ljungdahl, f. s. '05, talked about Kansas taxation problems, and L. C. Aicher, '10, gave a short talk.

H. L. Murphey, '28, county agent at Coldwater, sent in a list of those who registered at a Kansas State College alumni luncheon. They include Frank S. Burson, '34, Manhattan; F. Dean McCammon, '32, Dodge City; L. C. Aicher, '10, Hays; H. E. Moody, '22, Wichita; Louis Cooper, '40, Wichita; Lot F. Taylor, '31, and John H. Shirkey, '26, from El Dorado; A. H. Stephenson, '32, and Fred Carp, '18, from Wichita; George W. Washburn, f. s. '17, Newton; C. W. McCampbell, '06, Manhattan; Earl Kielhorn, '25, Cambridge; Fred A. Bangs, '23, Madison; W. A. Wishart, '35, Eureka; F. A. Hagans, '25, Marion; Howard W. Mathews, '31, Swift and company, Chicago; Ira A. Wilson, '08, Winfield; Edward F. Moody, '39, Phillipsburg; R. V. Christian, '11, Wichita; W. E. Robinson, '20, Kansas City, Mo.; J. R. Nuttle, f. s. '26, El Dorado; A. J. Drummond, f. s. '11, Elmdale; D. H. Clark, f. s. '06, Douglass; Dan N. Jackson, f. s. '12, and H. L. Murphey, '28, Coldwater; Herb J. Barr, f. s. '28, Leoti; Roy Freeland, '37, Topeka; James G. Thomson, W. J. Brown, f. s. '06, and his two sons who are former students, and William Ljungdahl, Topeka.

As guests of the alumni and former students many others attended the dinner. Among them were D. H. Putnam, El Dorado; Ashleigh P. Bole, Kansas City, Mo.; Ray Moody, director of the Kansas Livestock association; John R. Crowley, Leon; S. R. Stauffer; Dick Denham Jr., Kansas City; O. W. Lynam, Burdett; C. E. Waugh, Sharon Springs, and H. W. Westmeyer, Medicine Lodge.

MARRIAGES

MOORE—COOPER

June Alice Moore, H. E. '39, and Jess R. Cooper, Ag. '39, were married July 20. Their home is in Mulvane, where Mr. Cooper is teacher of vocational agriculture.

YOUNT—STEPHENS

Nellie Yount, G. S. '40, and John A. Stephens, P. E. '38, were married July 24 in Abilene. They are living in Arma, where Mr. Stephens teaches biological sciences and physical education.

HOLVERSON—COLLINS

The marriage of Alvina Holverson, formerly of the Agricultural Adjustment administration, and Wayne D. Collins, D. V. M. '39, took place July 10. They live at Windsor, N. C., where Doctor Collins is working with swine sanitation and disease control.

WIESER—PITMAN

Coletta Wieser and Edward W. Pitman, Ag. '38, were married July 6. Mrs. Pitman is a graduate of the Wichita Hospital Nurses' Training school. Mr. Pitman is associated with the Kansas extension service at the College. He has been with the farm bureau office in Kingman since January, 1939, where they are at home.

BERGSTEN—REMINGTON

Eileen Bergsten, Ar. '40, was married to Robert A. Remington, E. E. '40, July 23, at the home of the bride's mother in Randolph. Mrs. Remington is a member of Alpha Delta Pi sorority. Mr. Remington, graduate of Hutchinson junior college, is a member of Sigma Tau, honorary engineering fraternity. He is

employed by the General Electric company in Philadelphia.

VOSHELL—BARKER

The marriage of Merlyn Voshell, f. s., to Bruce W. Barker, Ag. '39, was July 14. Mrs. Barker is a member of Alpha Xi Delta sorority. For the past year, she has been employed by the state in Topeka. Mr. Barker, Alpha Gamma Rho member, worked with the Farm Security administration after graduation. They are now living at Kingsdown.

FOULSTON—JOHNSON

The marriage of Mary Jane Foulston, C. '39, to Keith C. Johnson, Ag. '39, was July 17 in Wichita. Mrs. Johnson attended Ward-Belmont school in Nashville, Tenn. She was a member of Kappa Kappa Gamma sorority while at Kansas State. Mr. Johnson is a member of Sigma Phi Epsilon fraternity. Mr. and Mrs. Johnson live at Sylvia.

HAAS—DAVIS

Pearl Haas, M. S. '33, of Hutchinson and Hunter P. Davis of Kansas City were married February 15 at the Country Club Congregational church in Kansas City. They will make their home at 5310 Rockhill road, Kansas City, Mo. Mrs. Davis was an instructor in clothing at Pennsylvania State college the past two years and head of the Department of Home Economics at the University of Kansas City before that.

NEWKIRK—REBER

Frances Newkirk and Matthew Reber, M. E. '40, were united in marriage July 7. Mrs. Reber, a graduate of Manhattan high school, attended Platt's secretarial school, after which she worked in the social welfare office in the Riley county courthouse. She later accepted a position as stenographer in the Division of College Extension. Mr. Reber, a member of Phi Kappa Phi, is employed with the Indian Territory Illuminating Oil company at Oklahoma City, Okla. Their home address is 116 Southeast Thirty-Eighth street, Oklahoma City.

TAYLOR—HAMILTON

The marriage of Lila Taylor, H. E. '38, to Clare C. Hamilton, D. V. M. '39, took place June 23. The bride has been the dietitian of the Newton Memorial hospital at Winfield. She graduated in dietetics from the Christ hospital at Cincinnati, Ohio, in 1939. She is a member of Phi Omega Pi sorority, of which she was president, Enchiladas and Purple Pepsters. Doctor Hamilton is a member of Acacia fraternity, of which he served as president, and the Junior American Veterinary Medical association. He is operating the Killian Dog and Cat hospital in St. Louis, Mo. Their home address is 3820 Gustine avenue, St. Louis.

BIRTHS

Joe D. Smerchek, '32, and Helen (Tedman) Smerchek, '33, have sent the news that Gene Alan arrived March 5, "toothless, clothesless and penniless," and will make his home with them and their daughter, Sandra. Mr. Smerchek is county agent at Wellington.

Walter M. Lewis, '35, and Frances (Aicher) Lewis, '37, are the parents of a daughter, Martha Elizabeth, born February 14. They live at Larned, where Mr. Lewis is a farmer and breeder of polled Hereford cattle. Mrs. Lewis is the daughter of L. C. Aicher, '10, superintendent of the Fort Hays Branch Agricultural Experiment station.

RECENT HAPPENINGS ON THE HILL

"Meat and Romance" was the feature of a College assembly last week. The four-reel movie was sponsored by the Junior American Veterinary Medical association.

Qualified members of the College YMCA were balloting today on officers for the coming year. Candidates for president included Robert Randle, Riley, and Donald Phinney, Russell.

Wayne Good, McCune, has received a wrist watch from the Standard Oil company of Indiana in recognition of his outstanding 4-H club achievements. Good is a freshman in agriculture.

More than 150 pounds of wieners were bought by visitors to the Engineers' Open House. During the last day of the exhibition the chemical engineering hot-dog stand bought out the entire supply of wieners in Manhattan.

Kendall Evans, Amarillo, Texas, has been appointed associate editor of The Collegian. He was formerly copy desk editor of the College paper and replaces Robert Rathbone, Manhattan, now assistant editor of the Manhattan Morning Chronicle.

C. S. "Coony" Moll, swimming coach at Kansas State, and two members of his 1941 tank team, Marshall Stover and Leo Yeo, both of Manhattan, left Tuesday to go to East Lansing, Mich., to enter the National Collegiate Athletic association swimming meet Friday and Saturday.

A high percentage of the fruit trees in the northern half of Kansas was killed by the November freeze, according to a recent survey. Dr. W. F. Pickett, head of the Department of Horticulture, reported that almost all of the cherry and peach trees were ruined.

The local chapter of the Independent Student union will be represented at the national I. S. U. convention in Dallas, Texas, Friday and Saturday. Leonard Robinson, Viola, Ralph York, Dunlap; Adzianna Blochinger, Concordia; Belle York, Dunlap; Irene White, Kingsdown, and Opal Thompson, who will chaperon the group, were selected by the executive council to represent the organization.

DEATHS

STAUFFER

Maurice I. Stauffer, E. E. '07, died in Chicago July 12, 1939. He is survived by his wife, one daughter and two sons. He had been with the Wilson Meat Packing company since 1922.

MUNRO

A son, Frederick Burgess, born to Mr. and Mrs. G. C. Munro on March 12 at St. Mary hospital, died March 14. Mr. Munro is an associate professor of mathematics at the College. Their home is at 508 Bertrand, Manhattan.

PUCKETT

The Department of Electrical Engineering has received word of the death of Joseph L. Puckett, E. E. '18, November 19. At the time of his death he was superintendent of electrical distribution with the Public Service company, Boulder, Colo.

KANSAS STATE COLLEGE RECORDINGS

"Alma Mater" and "Wildcat Victory" by the Kansas State College Men's chorus and

"Roll on, Kansas State" and "Shoulder to Shoulder" by the College band

All four of the above songs so dear to Kansas State College students and alumni recorded on one standard phonograph record will be mailed anywhere in the United States for \$1 each. Alumni in foreign countries should add the necessary additional postage.

If you wish one of these records for your home or alumni meeting, fill out the following order blank and mail to the Kansas State College Alumni association, Manhattan.

- ☐ Inclosed find \$1 for one K. S. C. recording.
- ☐ Inclosed find 15c for one printed copy of "Wildcat Victory."

Name

Address

UNIVERSITY PROFESSORS TO MEET HERE APRIL 5

ASSOCIATION SESSIONS AT SAME
TIME AS KANSAS ACADEMY

**Dr. Frederick S. Deibler of Northwest-
ern, National President, Will Talk
on Organization's Work
and Principles**

The Kansas State College chapter of the American Association of University Professors will be host to the Kansas chapters of the A. A. U. P. at a meeting here April 5. The meeting will be in connection with the meeting of the Kansas Academy of Science.

Dr. Fritz Moore, head of the Department of Modern Languages, is president of the Kansas State College chapter. Prof. Robert Conover of the Department of English is chairman of arrangements for the program. He is also chairman of the central committee of the Kansas chapters of the A. A. U. P.

EXPECT NATIONAL PRESIDENT

National officers expected to attend include Dr. Frederick S. Deibler of Northwestern university, national president; D. A. Worcester of the University of Nebraska, regional chairman, and Dr. John Ise of the University of Kansas, member of the national council.

Doctor Deibler will speak on "The A. A. U. P., Its Work and Principles." An associate professor of economics at Northwestern university, he received his A. M. degree from Harvard and his Ph. D. degree from the University of Wisconsin. Doctor Deibler is author of "Principles of Economics."

The program emphasizes discussion of the A. A. U. P. and its accomplishments and how the group can become more effective. Professor Conover said. Theodore Paulin of the University of Kansas will preside over the Saturday morning session. Included will be a chapter report by Doctor Moore, chapter activities reports, and talks by Vice-Pres. S. A. Nock of Kansas State College, and Doctor Deibler, national A. A. U. P. president. A luncheon will follow the meeting.

CONCLUDE WITH TEA

Miss Mary E. Cochran of Kansas State Teachers' college, Pittsburg, will preside over the afternoon meeting. E. H. Hollands of the University of Kansas will discuss "The College Professor During the First World War." Professor Conover will lead a discussion of how the A. A. U. P. may become more effective locally, in the state and nationally. The meeting will conclude with a reception and tea for members of the Kansas Academy of Science and the A. A. U. P.

COLLEGE RADIO PROGRAM RECEIVES WIDE COMMENT

**Congratulations Come to KSAC from
Virginia to California; Former
Students Listen to Show**

The Kansas State College radio production of "Green Gold" on the Farm and Home hour over the National Broadcasting company's Blue network March 19 was a success as indicated by letters and cards received concerning the show.

Congratulations were sent to the College from Virginia, Oklahoma, Iowa, Illinois, Ohio and California as well as various places in Kansas. Many of the letters were from graduates or former students of Kansas State College.

Stan Dwyer, Kansas State College graduate, heard the broadcast off the west coast of Mexico on a ship. He liked the program and asked for a copy of the script.

From Chicago, Glenn E. Webster, another Kansas State College graduate, sent word that he heard the program with pride. Mr. Webster is an NBC studio engineer in Chicago.

A telegram was sent soon after the show by Sam Schneider of the Oklahoma Extension service and John C. Baker, radio extension specialist from Washington, D. C., who was in Oklahoma City at the time. They said the program was "swell" and was splendidly cast and produced.

Jack Groody, former Kansas State College student in Ohio, said the program was excellently presented.

A girl in Vassar college whose home is in Virginia thought the show so good that she had to tell the College so.

The Early History of Campus Literary Societies

(Continued from page one)

omitted frequently. Public debates were often held and the society paper called the Bluemont Literary Gazette was usually a feature of these sessions, and members were designated to write articles for it. It was the plan to have every member on for some duty each meeting, but as the membership increased this must have been impossible.

The minutes of the society were neatly kept, though apparently lacking in completeness sometimes. Occasionally, copying in the record book after approval seems to have been neglected. However, none is recorded after those for November 11, 1865, until November 10, 1866. The last minutes in 1865 contain no hint of suspension of meetings, and only speculation on the cause is possible. They recorded the expulsion of Wendell Williston "for misconduct toward the society." This suggests that lack of harmony existed. The minutes of November 10, 1866, contain no reference to the break excepting that, "A motion was made to adopt the old constitution as the standard of said society, and carried." After holding regular meetings up to December 15, the society voted to hold no meetings until January 5, 1867. From that time until May 18, minutes were entered for January 5 and March 30, only.

At the meeting held December 1, 1866, the following motion was adopted. "Motion carried that we have a public meeting next Sat. eve. (Dec. 8) with the Western College Soc. who were then invited in * * *". This indicates that another society had been organized. At the meeting January 5, 1867, the "W. C. L." was again "invited in," and arrangements were made for a public meeting in three weeks and every third week after. The next recorded minutes, March 30, include this: "On motion the 'Constitution' of the 'Western' Society, and 'By-Laws' of the 'Bluemont' were then adopted with the name of the latter." This indicates a union of the two societies, which had probably been arranged by previous conferences or meetings of the groups. After adopting this motion the society carried on a debate which apparently had been previously planned. In this W. Williston was one of the disputants.

(Query. Did Williston after his expulsion from the "Bluemont" society work up the organization of the "Western" society, and their combination at this time constitute a sort of treaty of peace?)

September 24, 1867, J. C. Soupene, J. B. Mudge and M. R. Mudge were appointed a committee to ask the young ladies to organize a debating society, and offering them one of their secretary's books. Two weeks later Mr. Soupene reported the ladies unwilling to organize on their own account. October 2, 1867, Miss Laura Emma Haines, who had been graduated the previous June, was invited to deliver a lecture before the society but respectfully declined. There is nothing in the minutes of this society to indicate participation by young women except that they frequently were asked to serve as judges in the public debates.

Minutes were recorded regularly for meetings from May 18, 1867, to June 20, 1868. Many of them were public debates accompanied by a number of the Gazette. Debating was practically the only activity of the ordinary programs. For the meeting June 20, which was public, the question for discussion was "Resolved that social reunions are an injury to institutions of learning." The leaders appointed had each chosen four assistants, but when the debate was called four of the disputants were absent, and another refused to debate the question. This seems to indicate that an unhealthy condition of the society existed that was not disclosed by minutes of preceding meetings.

At the first meeting of the society within the College year 1868-69, September 19, 1868, a motion was passed "to consider the division of the society three weeks from tonight." At that meeting interest in parliamentary law was first recorded by a vote to give five minutes each evening to reading Cushing's Manual.

October 7, 1868, after the transaction of some ordinary business, the

remaining work is shown by the following record:

There had been a desire among quite a number of the members for disruption of the society. Accordingly, under the head of miscellaneous business, after other things of unimportance, the question was laid before the society. After a lengthy and hot discussion it was decided in favor of the affirmative. Mr. Johnson then left the chair and "The Bluemont Literary Society" was formally declared dissolved, and its constitution and laws null and void.

Following the disbanding of the Bluemont Literary society, the Webster Literary society was organized October 10, 1868, and the Alpha Beta Literary society, October 17, or earlier. At its meeting October 17, the Websters challenged the Alpha Betas to a public discussion, and held a conference with them that evening in respect to it.

The secretary of the Bluemont society was among those who organized the Webster, and doubtless had the minutes of the former in his possession. At any rate the same book was used by the Websters for recording their minutes from October 10, 1868, to September 24, 1870. This circumstance was the means by which the minutes of the Bluemont Literary society were preserved.

WILDCAT BASEBALL SQUAD PREPARES TO MEET KANSAS

**Cook and Langvardt Lead Hitting
Sprees at Practice Contest
Saturday**

The Kansas State baseball squad, under the direction of Frank Myers, assistant to the director of athletics, is now working out on the diamond as it prepares for the first contest of the season with the University of Kansas Friday and Saturday of next week.

Last Saturday, the Flannigans and the Yannigans, two squads made up from among the 42 Wildcat baseball hopefuls, met for a practice game on the campus diamond. Led by the slugging of Bill Cook, Manhattan, and Chris Langvardt, Alta Vista, the Flannigans, composed mostly of regulars, downed the Yannigans, 8-5.

The Yannigans, coached by Mr. Myers, gained an early lead over the Flannigans under the direction of M. F. "Mike" Ahearn, director of athletics, by a tally in the first inning. In the second inning, Cook's triple for the Flannigans scored Warren Hornsby, Topeka, to knot the count at 1-all. In the third frame, Langvardt tripled to bring in Neal Hugos, Manhattan, for the second score and a lead the regulars never relinquished.

Cook led the hitting for the afternoon with two hits out of three trips to the plate, one of them a three-bagger. Langvardt got two hits in five chances.

Library Adds 400 Books

The Kansas State College Library recently added more than 400 books and other publications to its shelves. The list includes 12 new periodicals and serials and 25 recent unbound documents in the continuations department.

EVERYDAY ECONOMICS

By W. E. GRIMES

"The smooth functioning of our modern economic system is dependent upon saving and the use of that which is saved to provide a continued flow of goods and services in future times."

Merely increasing the size of bank accounts does not improve standards of living. However, if larger bank accounts are put to work in producing goods, standards of living may be improved.

Purchasing power in the bank is unproductive unless it is used for productive purposes by the one having it, in which case his bank account will dwindle, or it may be put to work through the processes of loans made by the bank to other people who devote the purchasing power to productive purposes.

Refraining from use of all of one's income without putting that which is saved to productive use is hoard-

Marco Morrow to Talk

Alpha Zeta, honorary agricultural fraternity, will entertain with a dinner dance Friday night in the College cafeteria. Marco Morrow, associate publisher, Capper Publications, will be the principal speaker. Announcement of plans for the dinner dance was made by Harold Fox, chancellor of the chapter.

HOSPITALITY DAYS HONORS FOR HIGH SCHOOL STUDENTS

**Girls in Secondary Institutions May
Compete in Contests for
Many Prizes**

Kansas high school girls will compete for prizes in written and judging contests during Hospitality days, April 18 and 19.

The contests will include written quizzes covering material in home living, art, foods and clothing, and judging contests of muffins, canned peaches, blouses and vase arrangement. The questions in the quizzes will be compiled from high school textbooks of home economics. Entrants will judge projects prepared for the contest.

Only one girl from each school will be allowed to enter the judging contests. Preliminary contests at each high school are suggested as a method of choosing entrants for the contests here.

In order to be eligible for prizes each high school must enter at least one girl in the judging contests and at least six girls in the written contests. Kansas State letter openers will be given to the six highest scorers in the quizzes and Kansas State compacts to the four highest scorers in the judging contests. "Practical Cookery" books will be awarded the two high schools having the greatest total number of points.

Last year 400 high school girls entered the contests. This year 450 quiz blanks are being prepared. More entrants are expected because of added interest in the project, according to Jeanne Stephenson, Larned, contest chairman.

Members of the contest committee are Wilma Evans, Hutchinson, Lorraine Corke, Studley, foods; Betty Hutchinson, Goddard, Marguerite Stagg, Manhattan, clothing; Margaret Smies, Courtland, Wilma Hannah, Beloit, home living; Lois Mace, Willis, Pauline Blackwell, Rozel, art; Dorothy Ratliff, Manhattan, general.

LELAND PORTER, DELLVALE, LOSES IN WRESTLING FINALS

**Glenn Duncan Advances to Semifinals
of National Collegiate Meet**

Leland Porter, Dellvale, 155-pound wrestler from Kansas State College and runnerup in his weight in the Big Six conference, lost in the final match of the National Collegiate wrestling meet at Lehigh university in Bethlehem, Pa., last Saturday.

He was defeated by Earl VanBebber, Oklahoma A. and M., in a close 3-2 match. The Oklahoma team finished in first place in the tournament to retain its N. C. A. A. mat crown.

Glenn Duncan, St. Francis, the other Wildcat wrestler to enter the meet, advanced to the semifinals of the 145-pound class in the meet before he was finally stopped by Haas-mann from Iowa State Teachers' college. In the third-place match, Duncan defeated Schachlman of Franklin and Marshall college by one of the closest scores of the meet, 7-6. Duncan is Big Six champion in the 145-pound class.

FOOTBALL VETERANS WIN CLOSE GAME FROM FROSH

**RAY ROKEY STARTS LONG DRIVE
FOR TOUCHDOWN**

**Earl Williams, Dodge City, Kicks Field
Goal for "White" Team to Give
Numerical Winners
Early Lead**

After trailing the "whites," 3-0, for more than a quarter, the Kansas State "gold" team, led by hard-hitting Ray Rokey, returning backfield letter man, started a 75-yard drive from its own 25-yard line and scored on an off-tackle plunge by Rokey to win the game, 6-3.

The "gold" team was made up of regular squad men and varsity letter men from last fall's eleven, while the "whites" were, for the most part, freshman numerical winners.

FRESHMEN WIN EARLY LEAD

After a scoreless first half, the freshmen earned a 3-point lead in the third period when Earl Williams, Dodge City, kicked a field goal from the 15-yard line.

Candidates out for spring drills include:

Ends: Letter men—Jim Watkins, Manhattan, and Charles Kier, Manhattan. Freshmen—Bill Engelland, Sterling; Clarence Heath, Leoti; Zeno Berger, San Diego, Calif.; Darren Schneider, St. Francis; Jim Machen, Abilene; Chet Peters, Valley Falls; Leon Halbrook, Neodesha; Wayne Sundgren, Hays.

NO VETERAN GUARDS

Tackles: Letter men—Lawrence Duncan, Lucas, and Norbert Raemer, Harker. Freshmen—Earl Hunter, Iola; Wayne Welty, Hill City; Laymon Weddle, El Monte, Calif.; William Funk, Abilene; Edgar McNeil, Effingham; Marvin Hamilton, Manhattan; Albert Nelson, Chicago; Bob Fanshier, Great Bend; Norman Whitehair, Abilene, and Verl Baumann, Atchison.

Guards: No letter men. Squad men—Leon Warta, Ellsworth, and Cliff Makalous, Cuba. Freshmen—Joe Glavinich, Kansas City; Lauren Edgar, Manhattan; Dick Lanphere, Ossawatimie; Fred Sprague, Lincoln; Phil Lane, Manhattan; Fred Budden, Manhattan; Herb Vanderlip, Manhattan; George Dutton, Concordia; John Higham, Wichita; Loren Thompson, Harper.

Centers: No letter men. Squad man—John Hancock, St. Francis. Freshmen—Don Shaffer, Wichita; Roy Thompson, El Dorado; Roy Sherrell, Lincoln; Mark Hulings, Effingham; Homer Socolofsky, Marion. Quarterbacks: Letter men—Bill Quick, Beloit, and Lewis Turner, El Dorado. Squad man—Francis Gwin, Leoti. Freshmen—Ronald Conrad, Clay Center; Mike Zeleznak, Kansas City; Lee Jones, Pretty Prairie.

TWO FULLBACK LETTER MEN

Left halfbacks: Letter men—Max Timmons, Fredonia, and Gene Snyder, Junction City. Squad man—Junior Erickson, Neodesha. Freshmen—Ned Rokey, Sabetha; LeRoy Ramage, Lyons.

Right halfbacks: Letter man—Ray Rokey, Sabetha. Squad men—Dick Rogers, Manhattan, and Gilbert Dodge, Dighton. Freshmen—Tom Zouzas, Ellsworth; John Bortka, Kansas City; Larry Kaminski, Kansas City; Calvin Miller, El Dorado.

Fullbacks: Letter men—Lysle Wilkins, Delphos, and Kent Duwe, Lucas. Freshmen—Bill Cochrane, Salina, and Earl Williams, Dodge City.

COLLEGE RADIO STATION WILL STAY ON FREQUENCY

**KSAC to Be Found at 580 Kilocycles
Despite General "Moving Day"**

Radio station KSAC at the College will not move to a new radio frequency on "radio moving day" as most of the nation's radio stations will.

March 29, which was designated by the Federal Communications commission as the moving date, will find KSAC still at 580 kilocycles. The station will continue to share the position with WIBW, the Capper Publications' station, Topeka.

The shift in frequency assignments comes as a result of the Havana treaty signed between United States officials and representatives of the other countries of the Western Hemisphere. A general plan was agreed upon for regulating all broadcasting stations in these countries. Certain air channels were assigned to stations in Mexico, Canada and other countries, as well as in the United States.

THE KANSAS INDUSTRIALIST

Volume 67

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, April 2, 1941

Number 25

500 ARE EXPECTED HERE FOR ACADEMY MEETINGS

THREE-DAY SESSIONS WILL START
ON THURSDAY

More Than 50 Faculty Members and
Students on This Year's Program
Will Represent College in
Proceedings

The Kansas Academy of Science will hold its 73rd annual meeting on the Kansas State College campus this week-end. Approximately 500 persons are expected to attend the three-day meeting, starting Thursday.

More than 50 Kansas State College professors and graduate students will take part in the program. Professors and students of colleges and junior colleges in the state and other Kansas people interested in science will participate in the academy meetings. Affiliated organizations include the Kansas Entomological society and the Weather-Crops seminar, while the Kansas Association of Teachers of Mathematics, the Kansas chapter of the Mathematical Association of America and the American Association of University Professors will meet at the same time.

NINE ON BOTANY PROGRAM

Kansas State College professors taking part in the botany section of the three-day meeting include F. C. Gates, professor in the Department of Botany and Plant Pathology; T. M. McCalla, instructor in the Department of Bacteriology; V. D. Foltz, assistant professor in the Bacteriology department; James C. Bates, instructor in botany; W. H. Metzger, associate professor in the Department of Agronomy; Kling Anderson, assistant professor of agronomy; John Parker, Manhattan, student in general science; James Gerlach, Manhattan, general science student, and John C. Frazier, assistant professor in the Botany department.

Appearing on the program of the chemistry section are H. F. Haas, graduate assistant in bacteriology; M. F. Yantzi, Kansas City, graduate student, and L. D. Bushnell, head of the Department of Bacteriology.

In the geology section, Arthur B. Sperry, professor in the Department of Geology, and Frank Byrne, assistant professor of geology, are on the program. Harold H. Munger, Manhattan, and Jack Branson, Belleville, students, also are included.

Prof. A. B. Cardwell, head of the Department of Physics, and James S. Allen, associate professor of physics, will participate in the program of the physics section.

ZOOLOGY DRAWS 19

Kansas State representatives on the program for the meeting of the zoology section number 19. They are Dolf Jennings, instructor in the Department of Zoology; E. J. Wimmer, associate professor of zoology; Harry R. Bryson, assistant professor in the Department of Entomology; A. W. Grundmann, research assistant in entomology; Dr. J. E. Ackert, dean of the Division of Graduate Study; E. H. Herrick, associate professor in zoology; Irene Wassmer, graduate assistant in zoology; Irene Monson, Osnabrock, N. D., graduate student; Mary T. Harman, professor of zoology; Roger F. White, Buda, Ill., graduate student; Paul A. Schoonhoven, Manhattan, graduate student; S. A. Edgar, instructor in zoology; Robert W. Bray, graduate assistant in the Department of Animal Husbandry; Gladys E. Vail, associate professor in the Department of Food Economics and Nutrition, and David L. Mackintosh, associate professor of animal husbandry. Charles M. Good Jr., Plevna; Ralph Peterson, Manhattan, and Robert G. Chapman, Manhattan, all graduate students, also will appear on the program.

NABOURS ON PROGRAM

On the Kansas Entomological society program will be Prof. R. K. Nabours, head of the Department of Zoology; R. H. Painter, associate professor in the Department of Entomology; A. W. Grundmann, entomology assistant; H. R. Bryson, assistant professor of entomology; E. G.

(Continued on last page)

Former Student Writes of Navy

Prof. R. G. Kloeffer of the Department of Electrical Engineering recently received a letter from Ray Murray, a former student, now stationed with the U. S. S. Oglala in Pearl Harbor, Territory of Hawaii. Murray told of travels in Hawaii, Johnston and Palmyra Islands. Murray was a junior in electrical engineering before he left college last fall for training in the Naval Communication reserve.

COOPERATIVE CONFERENCE WILL BE HELD APRIL 10-11

Annual Meetings Are Sponsored by
Kansas Farm Organizations
and the College

Members, directors and officers of Kansas cooperatives will meet on the campus April 10 and 11 for their annual cooperative conference.

Dr. W. E. Grimes, head of the Department of Economics and Sociology, said, "The program will deal with subjects of vital concern to cooperatives and to agriculture and will emphasize the problems growing out of the national defense program and the war in Europe."

This annual conference is sponsored by Kansas farm organizations and cooperatives in cooperation with Kansas State College.

Personal impressions of the war in Europe and its effects on cooperatives will be discussed by M. Dykstra, manager of the International Cooperative Trading agency, London, England.

The only other out-of-state speaker will be Frank Robotka of Iowa State college, who will talk on "The Duties and Responsibilities of Directors of Cooperatives." The other speakers of the conference will be Kansans who have had outstanding success in their respective fields of cooperative work.

Among topics to be discussed will be the duties and responsibilities of directors of cooperatives, the effects of the national defense program and the European war on cooperation and on agriculture—both in the immediate and the more remote future—federal taxation as it affects cooperative organizations and grain storage problems in view of the large surpluses of wheat and corn and the prospects for a large wheat crop in 1941.

The program will start at 2 p. m. Thursday, with a banquet that evening, and will continue through Friday. All sessions will be in the west wing of Waters hall on the campus. The meetings are open to those interested in the cooperative movement.

The Kansas Association of Cooperative Creameries will meet Wednesday evening preceding the conference and continue sessions through Thursday morning, joining the larger group for the meetings Thursday afternoon and evening and all day Friday.

BUSH FRUIT CULTIVATION DISCUSSED IN BULLETIN

Dr. G. A. Filinger Says Acreage Decline
in State Since 1915 Due Chiefly
to Pests

The value of bush fruits and how to grow them in Kansas is the topic of a circular written by Dr. G. A. Filinger, professor in the Department of Horticulture. This circular has been published recently by the Agricultural Experiment station at Manhattan.

The cultivation of bush fruits in Kansas has been on a decline since 1915, Doctor Filinger wrote, and has decreased from 3,855 acres to 569 acres in 1939. This large decrease has been due mostly to drouth and inadequate methods of controlling pests, he said.

The bush fruit varieties include blackberries, raspberries, dewberries, gooseberries and currants.

Bush fruits cannot be profitably grown in the western half of Kansas, and the best area is the eastern one-fourth, the professor said. This is mostly due to the unfavorable climatic conditions of western Kansas.

AG EXPERIMENT STATION TO SELL CORN HYBRIDS

KANSAS - DEVELOPED VARIETIES
ARE OFFERED FOR FIRST TIME

College and United States Department
of Agriculture Have Spent Years
Working Out Types
for State

Seed of Kansas-developed corn hybrids is now available to farmers for planting, according to Dr. R. W. Jugenheimer, United States Department of Agriculture corn breeder located at the Kansas Agricultural Experiment station here.

This year is the first that hybrids developed in this state have been released to farmers, Doctor Jugenheimer said.

HYBRIDS ARE PROMISING

The Kansas Agricultural Experiment station, in cooperation with the United States Department of Agriculture, has been working for a number of years on the production of corn hybrids suitable for Kansas conditions. Preliminary results indicate that some of these hybrids are promising, Doctor Jugenheimer said. These include yellow and white dent hybrids, and popcorn hybrids, none of which are in commercial production.

For several years, Doctor Jugenheimer has received requests for seed from county agents, teachers of vocational agriculture and farmers for testing some of the more promising Kansas-developed corn hybrids. As a result the experiment station last season increased seed supplies of 12 more promising hybrids. Seed of 10 of these hybrids will be sold in peck or half-bushel lots to individuals interested in comparing them with their own local corn or with other hybrids in adjacent plantings. Nine of the hybrids are yellow, and the other one is white.

COLLEGE WILL SELL

Peck lots of seed will be sold at \$2 and the half-bushel lots for \$4. Orders for seed may be sent to the Department of Agronomy, Kansas State College, Manhattan.

Doctor Jugenheimer warned that there is a limited supply of these hybrids and said that there were only three bushels of two hybrids, but that as much as 50 bushels are available of other hybrids.

CEREAL CHEMISTS TO MEET ON CAMPUS THIS WEEK-END

Program Includes Wheat Quality and
Vitamin Discussions by Various
College Faculty Members

Approximately 100 members of the American Association of Cereal Chemists are expected to attend the annual tri-sectional meeting of the association at the College Friday and Saturday. The sections of the association meeting here include Kansas City, Nebraska and Pioneer divisions.

Wheat quality will be the main subject of discussion, said Dr. E. G. Bayfield, head of the Department of Milling Industry. Vitamin quality, protein characteristics in judging hard winter wheats and the baking qualities will be discussed by various members of the College Milling Industry department.

Because of the increased interest in the vitamin content of bread, a lecture and demonstration on the techniques employed in vitamin analysis will be a part of the Friday evening program. The demonstration will be given by Dr. Walter J. Peterson, biochemist on the state of the Kansas Agricultural Experiment station.

Chairmen of the three sessions to be held are Rowland Clark, Shellabarger Mill and Elevator company, Salina, chairman of the Pioneer section, who will preside at the Friday evening session. Howard Burrus, Crete mills, Crete, Neb., chairman of the Nebraska section, will preside at the Saturday morning session, and J. W. Whitacre, Larabee Flour mills, Kansas City, Mo., chairman of the Kansas City section, will preside at the Saturday afternoon session.

Ackert on Iowa Program

Dr. J. E. Ackert, dean of the Division of Graduate Study, left Saturday for Ames, Iowa, where he was to participate in the program of the 25th anniversary of the graduate school at Iowa State college on Monday.

FARRELL NAMES COMMITTEE TO STUDY DRAFT DEFERMENT

Group Visits Topeka to Confer with
State Director's Assistant on
College Policy

Pres. F. D. Farrell has appointed a College Committee on Selective Service to systematize the efforts of the College in arranging for deferment of students whose deferment is in the interests of national defense.

In announcing the membership of the committee, President Farrell pointed out that the committee is not ready now to answer questions. The committee is studying the problem and hopes to be ready to begin functioning by the end of the present school year, the President said.

The College Selective Service committee includes Prof. C. H. Scholer, chairman, representing the Division of Engineering and Architecture; Dr. Herman Farley, representing the Division of Veterinary Medicine; Dr. Roy C. Langford, representing the Division of Graduate Study; Prof. D. L. Mackintosh, representing the Division of Agriculture, and Prof. A. B. Cardwell, representing the Division of General Science. Members of the committee went to Topeka Monday to confer with the assistant to the state selective service director.

The purpose of the Topeka meeting was to see what the College can do to help the state and local selective service boards decide who is to be deferred. The committee accepts no responsibility for official action. Final official action is entirely up to the selective service boards. The College committee will merely systematize College efforts to give the official boards information which will best serve the interests of students and national defense efforts.

The appointment of the committee by President Farrell followed a request by a representative of the state selective service director for aid from the College in dealing with the matter.

President Farrell said Monday that the College is anxious to cooperate in the national defense program by helping to postpone the drafting for military service of students who, in the interests of national defense, should complete their training for technical services. The matter of which ones are to be recommended for deferment is for the committee to decide. Deferment will not be recommended for students with poor scholastic records, regardless of their field of study, the President said.

DON PHINNEY IS SELECTED NEW YEAR'S YMCA PRESIDENT

Former Treasurer of Freshman Commission Succeeds Ralph York
of Dunlap

Don Phinney of Russell was elected president of the YMCA Wednesday at the annual election. Phinney, a sophomore in chemical engineering, was treasurer of Y. M. Freshman commission. He succeeds Ralph York of Dunlap as president.

Other new officers include Keith Thompson, Wichita, first vice-president; Gordon West, Manhattan, second vice-president; George Yost, Vassar, third vice-president, and Newton Fehr, Kansas City, recording secretary.

Student members elected to the Y. M. board include Bill Bixler, Emporia; Kent Duwe, Lucas; Thaine High, Abilene; Danny Howe, Stockdale, and Keith Wallingford, Manhattan.

O. M. Rhine, president of the Universal Securities company of Manhattan, is the representative business man for the board. Faculty advisers include M. F. Ahearn, head of the Department of Physical Education and Athletics, and Dr. J. H. Burt, head of the Department of Anatomy and Physiology.

COMMITTEE IS STUDYING STUDENT UNION MEASURE

GOVERNOR SIGNS BILL SATURDAY
AS DELEGATION WATCHES

Corporation of Faculty Members, Alumni and Undergraduates Will Be
Organized to Sell Bonds
for Structure

A copy of the Student Union law, passed by the State Legislature and signed last Saturday by Gov. Payne H. Ratner, is being studied by members of the Union committee. Until all the legal aspects of the measure are cleared up, only general plans for the Student Union building will be made, Pres. F. D. Farrell said.

The governor signed the long-sought-for measure while a delegation of students and College representatives looked on approvingly.

Organization of a corporation made up of faculty members, students and alumni will be the first step taken. The corporation will sell the bonds which will be issued to construct the building to the highest bidding bonding company. The bonds will be self-liquidating by a \$5 Student Union fee added to each semester's enrolment charges until they are retired.

STUDENTS WILL PAY

The bonds probably will carry a 3 1-2 percent rate of interest. At \$5 a semester to be paid by each student, approximately \$40,000 a year will be raised, liquidating the bonded indebtedness in about eight years.

The first bonds to be issued will be for \$250,000 to build the first unit of the Union. This will include a lounge, ballroom, post-office, game rooms including self-supporting bowling alleys and offices for College organizations such as the Students' Governing association, YWCA and YMCA.

"No positive decision as to the location of the Student Union has been made, but several places are under consideration," President Farrell said. "The north part of the quadrangle south of Engineering hall, the site of old Denison hall and a position east of Thompson hall have been considered."

MAY START THIS SUMMER

Though it will take some time to work out the details of the plans for the building, President Farrell hopes that construction will begin within the next six months and will be completed within 18 months to two years. The President pointed out that it may take longer due to the present preparedness program which has made other construction so uncertain.

"Seniors in the Department of Architecture have prepared plans for the proposed Student Union. They will no doubt be studied in greater detail and perhaps visits will be made to other schools' student unions to become better acquainted with the essentials and general functions of such buildings," said Prof. Paul Weigel, head of the department and chairman of the Student Union committee.

WILL BUILD DORMITORY

The bill also provides for the building of a women's residence hall. Before this hall can be built, a corporation also must be organized. President Farrell said he was not sure yet whether the Student Union organization also could be used for this purpose.

The proposed dormitory, which will be built near Van Zile hall, will be financed by net operating revenues from the two residence halls. Only the basic plans of the dormitory and the Union will be made in the Architecture department here; detailed plans for both buildings will be drawn by the state architect.

Phi Alpha Mu Initiates

Ten new members were initiated into Phi Alpha Mu, honorary general science organization, last week. The new members are Betty Lou Davis, Severance; Virginia Delano, Hutchinson; Mary Dillin, Hutchinson; Virginia Holbert, Manhattan; Bernice Horton, Wayside; Reva King, Council Grove; Eloise Morris, Wichita; Marjorie Rogers, Manhattan; Jeanne Marie Tarvin, Marysville, and Dorothy Triplett, Humboldt.

The KANSAS INDUSTRIALIST

Established April 24, 1875

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JANE ROCKWELL, RALPH LASHBROOK,
HILLIER KRIEGBAUM Associate Editors
KENNEY FORD Alumni Editor

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WEDNESDAY, APRIL 2, 1941

A SIGNIFICANT ANNIVERSARY

Kansas State College properly celebrates its Founders' day in February, but an April day in 1855, eight years before the College was founded and 86 years ago this month, also has an important claim to significance in College annals. Dr. J. T. Willard tells the story in his history.

It was on April 18, 1855, that the minutes of the trustees of the company formed from the consolidation of the interests of the Boston Colony with those of earlier arrivals in the vicinity of what is now Manhattan, carried the notation:

"Voted that Mr. Park be invited to address the trustees in reference to an agricultural school. Mr. Park responded to the invitation."

The "Mr. Park" referred to was Col. George S. Park of Parkville, Mo., who took a claim just east of the mouth of Wildcat creek as early as June, 1854, and built on it a cabin which served as a blacksmith shop. In the fall of 1854 a town known as Canton was located on the west side of the Blue river (then two miles west of its present channel) below Blumont hill. The Boston Colony arrived late in March, 1855, and immediately moved to consolidate its interests with those of the men already in the area. It was the trustees of this combined group to which Colonel Park spoke "in reference to an agricultural school."

Colonel Park's address was given several weeks before the arrival of the Cincinnati and Kansas Land company and the adoption of the name Manhattan for the new town.

Nearly three years later George S. Park was one of the incorporators of the Blumont Central College association, and Doctor Willard records that he was one of the most generous contributors to the fund to erect the first building. The articles of incorporation empowered the trustees to establish an agricultural department.

Colonel Park kept his Manhattan interests for several years, saw the Blumont Central college property turned over to the state as the site for Kansas State Agricultural College. In 1875 Colonel Park founded Park college at Parkville, Mo., combining the scholastic features of education with industrial work and establishing a pattern which still distinguishes that successful institution.

No one can now evaluate the importance of the role of George S. Park in establishing an agricultural college at Manhattan, but it is plain that he advocated the establishment of such a school from the first; that there was provision for this type of work in the character of Blumont college, and that the trustees of Blumont college responded quickly when the opportunity to aid in locating the new land-grant school at Manhattan came.

As Doctor Willard comments in his discussion of the address of Colonel Park on April 18, 1855:

"This trivial incident may be regarded as the beginning of Kansas State College!"

AMERICAN 'CULTURE'

Having nothing better to do the other day, two or three of us were talking about culture. American culture, we agreed, could not survive a Nazi victory. But presently we discovered that we were not talking about the same thing. To some of us culture referred to taste and

knowledge acquired by study. To the rest of us culture was the whole process by which men and women develop into maturity from childhood. From this point of view culture may be good or bad according to the beauty or brutishness of the mature individual, but it is all part of the process by which an American civilization is being developed in an environment of liberty.

"Our Town" and "Mourning Becomes Electra" are examples of a finer culture than the strip-tease of the burlesque theaters. But the strip-tease is still part of the American culture, and when we are talking about an American culture we are talking about the whole thing. Benjamin Franklin had a coarser nature than Thomas Jefferson. But if the Franklin influence were eliminated from the American tradition the American culture would lack the practical common sense that has made it work. Emerson said: "I like a man who can admire a fine barn as well as a fine tragedy." From any comprehensive point of view, Emerson's connoisseur of barns and tragedies would be the completely cultivated man.

The word "culture" does not arouse much enthusiasm among defenders of democracy because it has been blindly used, as if culture were a pastime or an artificial adornment of the mind. There is plenty of historical authority for that misapprehension. A half century or so ago culture was reverently approached as if it were something that inhabited a rarefied atmosphere apart from the common usage of men and women. A good deal of contemporary art was escaping from life as fast as it could. When Browning wrote a drama for Macready, he turned away from contemporary ideas to a historical period in which he could imitate Shakespeare, who was then, as now, the apotheosis of culture. Tennyson instinctively did the same thing. Al though Thomas Bailey Aldrich had a charming environment to write about, and did so with engaging humor in "The Story of a Bad Boy," he wrote of "Judith of Bethulia" for the stage, because that seemed to be a cultured subject worthy of a well-bred poet.

Remoteness from actuality created an aura of refinement. Pater wrote a studied prose that was as remote as possible from the common speech, and cultured people took it seriously. In the last quarter of the 19th century rich people fled from the coarseness of America to Europe in search of culture. Separating culture from the ordinary habits of daily life had some appalling consequences here. We still suffer from some of them. That was how we acquired the domestic architecture that twisted houses into abominable shapes and weird planes and sheathed their porches in wooden lace. To separate culture from life is to burden a nation with ugliness and eccentricity. —Brooks Atkinson, in the New York Times.

GREEN GOLD

The following verse was used as the conclusion and climax of "Green Gold," the radio program presented March 19 by the College on the National Farm and Home hour of the National Broadcasting company. H. Miles Heberer, associate professor of public speaking, was director of the show.

The verse:
In fifteen forty-one or two, at least so I've been told,
Francisco Coronado came to Kansas seeking gold.
The land was rich with buffalo, and grass was ev'rywhere;
But Coronado found no gold... imagine his despair.

A rainbow dream, an ancient theme of Indian stories told,
Led Coronado in his search for places rich with gold.
He missed the shining wealth he sought;
He missed the shining green
In blades of grass where cattle pass;
In soil, in hill, in stream.

If Coronado came today he'd find his rainbow's end
On grassy ledges where the cowboys grazing herds attend.
He'd hear the men of Kansas pledge,
From foothills to the plains:
"This land is ours—this land we'll love,
Conserve, protect, defend!"

DEMOCRACY ON THE CAMPUS

We have always guarded truth on the campus of our universities, and now we must guard freedom as well. And we must teach self-government and cooperation so that our future citizens also will guard these principles.

Who controls men's minds today controls the future, and when one man or a small group of men have

SCIENCE TODAY

By MISS GLADYS MYERS
Home Management Specialist
College Extension Service

Every homemaker has a "trick of the trade" to make the housekeeping dollar go farther. Recently 168 Kansas rural homemakers were asked about their "pet" economies.

"We get 'most all of our fruits and vegetables from our own garden," said a Marion county homemaker. "During the growing season, we always have enough food for ready use. And I always plant more than I know we'll need so that I'll have some left to store and can. My garden feeds us all the year around, and saves us money."

Other women cut food costs by raising chickens to eat, and to supply eggs for the family. Keeping cows for the milk, cream, butter and cottage cheese needed was agreed to be a wise practice.

Baking bread at home, canning—especially of fruit—and butchering done on the farm also were suggested. One woman believed she saved money by making her own salad dressing. Another made all the sandwich spread used—she filled several lunch boxes daily.

Those living near flour mills used flour and breakfast cereals milled from their home-grown wheat. One homemaker showed that she had returns of 38 pounds of flour from one bushel of wheat.

Although these women cut food costs in some way, they did not sacrifice food value. They realize that eating less food or eating a cheap quality of food does not always solve the problem—in fact, it will promote poor health and poor spirit.

Today the homemaker clips corners on food costs through home production, storing, canning and freezing, and wise choice of food. Records in Farm bureau offices show that more and more families are producing their own food supply—resulting in less cash outlay and better nutrition.

Planning menus in advance helped to use up leftovers and also helped to save time, one woman reported. Planning the family's needs and buying in quantities was another suggestion.

that control, they lead us down the road of tyranny. Thus the universities have a tremendous responsibility in shaping the minds of young men and women and of interpreting the truth to them.

We in democracies today are challenged to prove that we can be strong in will and action. We cannot have the advantages of democracies if we do not accept the responsibilities, however.—Dr. Clarence A. Dykstra, former director of Selective service and president of the University of Wisconsin.

HARM IN POISONED WORDS

Poisoning by words goes deeper and is more lasting than poisoning by gas. Gas diffuses itself in the atmosphere, which soon contains no more a deadly dose. But poisoning by words pervades our minds. Its effects are contagious. The victim himself becomes a voluntary agent of contamination. "That which causes man's unhappiness," reads a Greek inscription in the tower of Montaigne, "is not so much facts (or events) as theories about facts." We have anti-aircraft guns; we need anti-wordcraft batteries.—André Maurois in the Saturday Review of Literature.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

F. F. Fockele, '01, was president of the People's National bank at Ottawa.

Prof. Paul Weigel, head of the Department of Architecture, and John F. Helm, assistant professor of architecture, attended the meeting of the American Federation of Arts in Kansas City.

Seven members of the faculty and 24 seniors from the Division of Engineering drove to Lawrence to attend a demonstration lecture by S. P. Grace, assistant vice-president of the Bell Telephone laboratories, New York City. Faculty members attending were R. G. Kloeffer, R. M. Kerchner, O. D. Hunt, L. M. Jorgenson, H. S. Bueche, G. F. Corcoran, and E. L. Sitz.

"Last year we just spent too much on Christmas gifts," one woman confided. "So this year we're going to make our gifts. I'm going to give away butter, jam and jellies and fruit cakes."

Home sewing saved money for more than half of the group. Feed sacks frequently were used to make house dresses, pajamas, kitchen curtains, lunch cloths, dresses for small daughters and comforter tops.

Many mothers made over clothes for their children.

"I always see to it that there's at least one new thing when I fix up a hand-me-down. A brand-new belt or new buttons or new trimming, for instance, make Helen feel that she's wearing an entirely different dress than the one Catherine wore so much two years before. Of course, I always try to remake the dresses in a little different style, too," explained one mother.

"My pet economy is making rugs," related a woman in Greenwood county. "In the evenings, my husband reads aloud to our son, John, and me, and while he's reading I crochet rugs out of any kind of material or old clothing I have in the house. This winter we read four books together."

General repair of the house and its furnishings is done by several homemakers and their families. This includes paper-hanging, painting and small carpentry work. Refinishing and renovation of furniture is carried on in many communities, following lessons on this work given by home demonstration agents and extension specialists. The making of slip covers at home is another money-saving item.

Paying bills by check has helped one family keep closer control of their money. They found this method of payment was a restraint on their spending, as well as an easy way to keep accounts.

Sheep on the farm provide warm wool comforters for many Kansas families. Home washing and carding of the fleece requires a knowledge of the care of wool that is valuable in the correct washing and care of family clothing.

TWENTY YEARS AGO

Dr. J. T. Willard, dean of the Division of General Science and vice-president of the College, was elected president of the Kansas Research council. W. A. Lippincott, professor of animal husbandry, was elected secretary.

Charles A. Campbell, '91, was pastor of the First Presbyterian church at Elizabeth, N. J. He was the author of three books, "The Greatness of Service," "The Manhood of Roosevelt" and "War, Women, and Work."

Prof. W. E. Davis and Prof. F. C. Gates, both of the Department of Botany and Plant Pathology, received certificates of fellowship in the American Association for the Advancement of Science, an honor conferred upon them during the meetings in Chicago.

THIRTY YEARS AGO

Roscoe T. Nichols, M. S. '99, was a candidate for mayor at the spring election at Liberal.

S. C. Mason, '90, was in the Bureau of Plant Industry of the United States Department of Agriculture, Washington, D. C.

W. R. Ballard, '05, was at the Maryland Agricultural Experiment station. He was experimenting with the grafting of walnuts.

FORTY YEARS AGO

Prof. J. T. Willard was absent from the College for one week in the interest of the College experiment station.

E. W. Curtis, instructor in butter making, left for his home in Council Grove, where he operated a hand creamery plant.

Some of the dairy students who went to Topeka to visit the Continental creamery experienced a personal encounter with Mrs. Carrie Nation, in her battle array.

FIFTY YEARS AGO

President Fairchild attended a meeting of the State Board of Education at Topeka.

Secretary Graham was reappointed a member of the standing Committee

on Education in the Kansas State grange.

Misses Conwell, Gilstrap and Pierce were delegates to the district conference of the YWCA which was held at Lecompton.

SIXTY YEARS AGO

John A. Anderson visited the College.

The Scientific club made an excursion to Professor Hofer's farm, near Rocky Ford, to investigate an Indian or mound-builder's grave.

F. D. Coburn, manager of the Kansas Farmer for two months, was announced as the new editor due to the retirement of E. E. Ewing.

KANSAS POETRY

Robert Conover, Editor

PIONEER DEAD

By Glen Baker

They sleep peacefully, these pioneer dead,
In Blue Mound Burying Ground when March winds croon
A dirge through the bare branches overhead
And tumbling clouds roll out across the moon.
They are not aware of storms that hover
Over their isolated resting place,
Nor of the blankets of snow that cover
Closely and tenderly each long dead face.

But when blue April swings her censer out,
And pale violets break the winter spells,
When spring the harbinger is just without
Who can say they do not stir in their narrow cells
And dream of Kansas with her warm spring days
And cottonwoods in leaf in country ways!

Glen Baker of Detroit, Mich., has had prose and verse published in the United States and abroad in such publications as the National Historical magazine, Christian Century, University Review, Prairie Schooner, London Mercury, Cornhill magazine, Dublin Review and others. At the present time, he is working on a novel and plans to publish a volume of poems, "Motley to the View," sometime this year.

SUNFLOWERS

By H. W. Davis

KEEP YOUR FINGERS CROSSED!

April, tearful thirty-days of foolishness, furtive smiles, showers of weeping and all-round uncertainty, is once again all over us. But this time she very probably does not fancy us any more than we fancy her.

From the beginning, we guess, April has been the haywire month of all months, the season for going berserk, slipping out of gear, running amuck into love, war, whatnot. Why the psychologists and psychiatrists have not done tons of dissertations upon April, and earned themselves thereby hundreds of higher degrees, I cannot see nor say.

But in furious 1941 gusty April meets her match. She creeps upon a world more perturbed and going more places than she herself. Yes, this old world of 1941 ought to be a cinch for April, for she should be able to throw the whole works into hysterical frenzy by wiggling no more than one little finger. We are that upset and ready to disintegrate.

Therein lies my only hope. Maybe April will consider it beneath her dignity and ability to take advantage of such a pushover. Maybe just for spite she will turn herself into a pacifistic, old-maid month with antique earrings and two graying curls on each temple. Maybe she will coyly pass the honors to mellow May time, just to be stubborn and just to smear sweet, gentle May.

But that is merely hope, and therefore hokum. If 1941 April does not turn out to be the craziest month in the last six or seven hundred years, I'll rip off my shingle as "prognosticator" and saw it up into toothpicks.

For look you! April, 1941, is going to have to start a flaming war in the Balkans, or else. She will have to initiate a rumpus in or near Singapore, or else. She is going to have to start an American convoy system for British-bound freight, or else. She is going to have to usher in an invasion of England, or else. She is going to have to crack the defense-industry strike bottleneck in America, or else. Five high probabilities, and each of them loaded to the roof with T. N. T. The "or else" in each case means something worse.

By May 1 we may be mighty glad that April is one of those four months that hath only 30 days.

AMONG THE ALUMNI

A. A. Gist, '91, writes from Phoenix, Ariz.: "After a very delightful winter here in the 'Valley of the Sun' we are leaving for our home at 701 South Highland avenue, Chanute, Kan. Please change the address of our INDUSTRIALIST. We will be seeing you at commencement time."

J. B. Houser, B. S. '04, called at the Alumni office last month while visiting in Manhattan at the home of C. G. Elling on his way to attend a meeting of North Central States Entomologists at Columbia, Mo. Mr. Houser is chief of the entomology department at Ohio Agricultural Experiment station, Wooster, Ohio. He and Bessie (Mudge) Houser, '03, live at 136 East University street in Wooster. Mrs. Houser is a sister of Mrs. Elling.

Mary L. Hoover, H. E. '14, is at home at 2619 Cass, Detroit, Mich. She is a teacher of home economics in the Detroit public schools.

Kathleen Hamm, H. E. '18, heads dietetic work at the residence halls on the campus of the University of Michigan. She lives at 1101 Henry street, Ann Arbor, Mich.

Mary Fidelia Taylor, B. S. '19, E. E. '31, now is with the Central Housing committee of Washington, D. C. She says that activities in the low-cost, low-rent, and defense housing fields make her work interesting. Miss Taylor was an assistant professor in household economics at Kansas State College from 1926 to 1934. Her Washington address is at 1624 Riggs place, Northwest.

Arthur N. Burditt, B. S. '20, has a real estate business in Wichita. He may be addressed P. O. Box 1873, Wichita.

Merton L. Otto, Ag. '21, is doing research work in the Department of Economics and Sociology at Kansas State College. He and Katherine (Kinman) Otto, f. s. '20, live at 920 Leavenworth, Manhattan.

Grace Van Scoik, H. E. '22, was married August 16, 1940, to Andrew L. Haag, a cabinet maker and finish carpenter in Long Beach, Calif. They live at 2218 East Anaheim street, Long Beach.

Homer V. Fleming, M. E. '23, is employed by the Timken Roller Bearing company in Canton, Ohio. He is a special sales engineer. Until recently he was in Chicago, but now his headquarters are at 1008 Martin building, Birmingham, Ala.

D. B. Meredith, M. S. '24, is agronomist in the agricultural section of the African Explosives and Industries, Ltd., at Johannesburg, South Africa.

Alvin V. Ritts, G. S. '25, and Laura (Russell) Ritts, '25, are at 402 West South street, Arcanum, Ohio. He is minister of the Arcanum Methodist church there.

John F. Allen, R. C. '26, has changed his residence to 819 East Fifth, Galena.

Elwyn W. Rutherford, E. E. '27, 912 Lawrence avenue, Bristol, Va., is electrical distribution superintendent with the East Tennessee Light and Power company.

Mary Frances Reed, I. J. and H. E. '28, is working on her doctorate while she is teaching half time at the University of Illinois. Her address is 1106 South First, Champaign, Ill.

Theodore R. Freeman, Ag. '29, writes: "I have accepted a newly created position at the University of Florida which will involve full-time research on dairy-manufacturing problems. As I do not want to miss any issues of THE INDUSTRIALIST, I would appreciate it if you would change my mailing address to Dairy Products laboratory, University of Florida, Gainesville, Fla."

H. A. Williamson, M. S. '30, is principal of the Tonganoxie high school. His wife is Marguerite (Akin) Williamson, '27.

Donald M. Telford, G. S. '31, teaches in the high school at Borger, Texas. He also coaches football there.

Gerald E. Cain, E. E. '32, is an operator and electrician for the Southern California Edison company, Ltd., Los Angeles, Calif. Margery (Farnham) Cain, f. s. '30, and he live at 1313 Buena Vista, Ventura, Calif.

Dr. E. W. Peck, D. V. M. '33, and Lela (McCann) Peck have a son, Eugene Jr., 1. Doctor Peck has a

private practice at Auburn, Neb.

Arthur R. Thiele, D. V. M. '34, is supervisor of the Bureau of Animal Industry at 71-02 Thirty-Fourth avenue, Long Island, Jackson Heights, N. Y.

Leslie E. Murphy, M. E. '34, is an accountant with the Federal Bureau of Investigation. His address is 357 Madison avenue, Grand Rapids, Mich. His wife is Willa (Ward) Murphy, a graduate of the Kansas City Thompson conservatory.

Lois Anne Lumb, H. E. '35, has been home demonstration agent for Adams county, Colo., since December 26, 1939. Her address is 275 South Third, Brighton, Colo.

Emma Anne (Storer) Marx, I. J. '35, writes: "Please change the address of our INDUSTRIALIST to 4216 Fairmount street, Dallas, Texas. Edmund, '35, was transferred here the day after Christmas and I joined him February 1. So don't forget us if you come to Dallas or if there are any alumni activities near here. I have already made plans to visit Elizabeth (Dedrich) Maneval, f. s. '31, and Ruth (Stiles) Brady, '33, in Houston. Edmund is occupational analyst for the government, working under the Social Security board and has most of Texas for his territory. We are renting a brand new cottage at Dallas and, although it is small, there is always room for one more K-Stater."

Virgil L. Weaver, E. E. '35, is an electrical engineer with the instrument engineering department, General Electric. His address is 8 Harvey park, Lynnfield, Mass.

Clyde R. Getty, C. E. '36, is chemical engineer for the Sinclair Refining company, East Chicago, Ind. He lives at 1644 West 107th street, Chicago.

Obed Keith Lassen, D. V. M. '36, and L. N. Butler, D. V. M. '37, are in partnership at Phoenix, Ariz. They opened a small-animal clinic this winter. Doctor Lassen and Gene (Brandenburg) Lassen, f. s., live at Route 5, Phoenix. Doctor Butler and Evelyn (Hammels) Butler, '37, live at 2916 North Fifteenth avenue, Phoenix.

Thomas Mitchell Potter, Ag. '37, is a sheep salesman for the John Clay Livestock Commission company at Kansas City, Mo., in the sheep department. He and Martha (Wright) Potter, H. E. '39, live at 3736 Warwick.

Keith Underwood, Ar. '37, 818 Bertrand, Manhattan, is architectural draftsman for F. O. Wolfenbarger. For the past 1 1-2 years he has been with Richard J. Neutra, Los Angeles, as an apprentice.

Irwin W. Wayne, Ag. '39, is in school at Middlesex university, Waltham, Mass., classified as a freshman vet. He writes: "From the time I graduated from Kansas State, I have worked for the milk, water and shellfish department, New York City Board of Health, and for the Kraft Cheese company in Jersey City. I was employed in the capacity of bacteriologist and chemist at both places."

John B. Sutherland, B. S. '39, M. S. '40, and last year an assistant in the Kansas State College Department of Chemistry, is employed by the Texas company, Port Arthur, Texas. His address is 3838 Proctor.

L. F. Stutzman, M. S. '40, is teaching at Hillier junior college, Hartford, Conn.

Josephine Wheeler, G. S. '40, was selected as second-grade teacher for one of the elementary buildings in the Mt. Vernon (Ohio) schools.

"There has been little letup in activity since then," she writes. "This week I have been doing double duty. One little girl has been out of school with pneumonia. I have been tutoring her at her home after school."

"Mt. Vernon is a town of about 12,000. There are 1,200 in the high school and there are six elementary buildings. I teach at Elmwood which has 180 pupils in six grades. There are 23 in my class—it is really above average and has a high I. Q. rating, so I am having a good time."

"The Mt. Vernon system has just completed an extensive building program in which each elementary building was remodeled and a new high school was built."

"One of my sorority sisters is attending Ohio State in Columbus and I understand that M. C. Moggie, '29, is there this winter. I am going over sometime soon and hope to see both of them. I hope you are having another fine year at Kansas State."

LOOKING AROUND KENNEY L. FORD

Praises College Recording

Ralph W. Sherman of Bloomfield, N. J., writes: "Thank you for sending the recording of the four college songs. It arrived in good condition. The spirit and tones of the vocal and instrumental music are exceptionally good. We will surely use this at our next New York alumni meeting."

Alumni with General Electric

Many engineers from Kansas State College are employed by General Electric company. Those who are employed in the Chicago plant include Earl Abbott, E. E. '24, sales engineer; R. B. McIlvain, E. E. '25, switch gear specialist; C. F. Joss, E. E. '21; T. E. Johtz, M. E. '22, and T. F. Skinner, M. E. '36. L. O. Sinderson, E. E. '23, is a construction engineer, but he is now working on the defense program and is on leave from that position. W. E. Swenson, C. '32, is with the company's merchandise department.

MARRIAGES

SHUBERG—SHEETZ

Marriage vows were exchanged by Doris Shuberg and Charles J. Sheetz, C. E. '40, August 9. Mr. Sheetz is sanitary engineer for the State Board of Health in Topeka.

JOHNSON—GREEN

Jean Johnson, M. Ed. '39, and Roy Green, Ag. '39, were married August 10. They are living at 710 South Water street, Wichita, where Mr. Green is with the Federal Land bank.

WILLIS—EBERLE

LaNelle Willis, f. s., Manhattan; and Cecil H. Eberle were married August 3. Mr. Eberle, a member of Acacia fraternity, is a member of the faculty of the Delia high school.

BOZARTH—DAVIS

Marriage vows were read for Mildred Bozarth, f. s. '40, and Charles W. Davis, Ag. '40, August 4. They are at Concordia. Mr. Davis is employed by the Concordia creamery.

IHRIG—HARTWIG

Esther L. Ihrig and Dr. Charles F. Hartwig, D. V. M. '12, were married July 29. Besides practicing as a veterinarian, Doctor Hartwig is extensively engaged in stock raising and farming at their home in Goodland.

HUXMAN—MURPHY

The marriage of Pauline Huxman, Sublette, and Duane Murphy, Ag. '38, also of Sublette, took place July 28. Mr. Murphy is supervisor for the Farm Security administration in Sheridan county. They live at Hoxie.

BERGGREN—SCHOOLEY

Frances Berggren, H. E. '39, and Maurice Schooley, D. V. M. '38, were married July 19. He is state veterinarian of North Carolina and has charge of the state laboratory in Raleigh. Their home is South 2B Cameron court, Raleigh, N. C.

RADDE—KIMEN

Gretchen Radde, Cleveland, Ohio, and Peter Kimen, '37, were married August 23 at Christ Episcopal church, Houston, Texas. The couple will make their home in Pasadena, Texas, where Mr. Kimen is employed at the Champion Paper and Fibre company.

SLAGG—BURDITT

Ruth Arline Slagg, G. S. '39, became the bride of George F. Burditt, I. C. '40, September 20. They are at home in the Rossington apartments, 3031 Troost avenue, Kansas City, Mo. Mr. Burditt is employed by the Gustin-Bacon Manufacturing company, Kansas City.

AMTHAUER—FREEMAN

The marriage of Christine Amthauer, f. s., to William B. Freeman, Ch. E. '40, took place August 10. They live at 429 Westmoreland street, Akron, Ohio. Mr. Freeman works for the Columbia Chemical division, Pittsburgh Plate Glass company, Barberton, Ohio.

COLLINS—MYERS

Elizabeth Collins was given in marriage by her father, E. K. Collins, registrar of the Carnegie Institute of Technology, to Earl Harry Myers, E. E. '37, August 17. The couple live at 411 Montview place, Wilkinsburg,

Pa. Mr. Myers is with Westinghouse Electric and Manufacturing company there.

ADAMS—ALTER

Hazel Adams and Elwyn LaVerne Alter Jr., '39, were married July 28 at the First Christian church in Manhattan. Mrs. Alter has been a beauty operator in Manhattan for two years. Mr. Alter is advertising manager of a daily paper in Hutchinson. Their address is 414 East Avenue A, Hutchinson.

BOREN—LUTZ

The wedding of Frances Boren of Hutchinson and Charles Lutz, C. '35, took place July 28. The bride, a graduate of the University of Missouri, has been secretary to the manager of the Kansas Power and Light company. Mr. Lutz, a member of Beta Theta Pi fraternity, is head of the men's department of Wiley's store in Hutchinson.

OLSON—KIMMI

The marriage of Marie Olson, Dwight, to Anthony Kimmi, M. Ed. '40, took place August 25. The bride attended Salt City Business college in Hutchinson. For the past 2 1-2 years she has been employed as stenographer by the Division of College Extension. Mr. Kimmi is supervisor of instrumental music in the South Haven public schools. They will make their home in South Haven.

DAVIS—PROUT

Frances A. Davis, H. E. '39, and Lynn Prout, f. s. '40, were married August 11. Mrs. Prout since her graduation from Kansas State College has been employed in connection with the Christian Youth movement. Mr. Prout attended Oklahoma A. and M. at Stillwater before coming to Kansas State College for work in journalism. They are at home at Ness City where Mr. Prout is employed by the federal government.

BUSCH—NASH

Mar Beth Busch, H. E. '39, became the bride of Charles W. Nash, Emporia, July 14. Mrs. Nash, a member of Delta Delta Delta sorority, taught home economics in Williamsburg last year. Mr. Nash attended the College of Emporia and Kansas State Teachers' college of Emporia, where he belonged to Phi Delta Chi social fraternity. They will make their home in Emporia where Mr. Nash is employed by the Rural Electrification administration.

HARDING—BLACKBURN

In a ceremony July 10, Katharine Harding, M. '30, was married to S. Robert Blackburn. Mrs. Blackburn, a member of Alpha Xi Delta sorority, for the past five years has been grade school music supervisor in Great Bend. Mr. Blackburn was graduated from the University of Kansas and took postgraduate work at Leland Stanford university, Palo Alto, Calif. He is a practicing attorney at Great Bend. Their home is at 2715 Sixteenth street, Great Bend.

MILLER—SCHRUBEN

Abbie M. Miller, H. E. '40, was married to Leonard W. Schruben July 21. Mrs. Schruben is a member of Omicron Nu and Phi Kappa Phi, national honorary organization. Mr. Schruben is a member of Alpha Zeta and Gamma Sigma Delta, national honorary organizations, and Alpha Gamma Rho, social fraternity. Mr. Schruben, who received his master's degree from the University of Illinois, is a member of the Department of Economics staff of that institution. Their home is at 702 West Green, Urbana, Ill.

RECENT HAPPENINGS ON THE HILL

The third intrasquad practice game during the present session of spring football training will be next Saturday. In the last contest, the Golds, composed of regular squad men, defeated the Whites, the reserves, 14-0.

The petitions for the 24 Greek and independent candidates for Student Council and Board of Publications now are being checked by the Student Council to insure the eligibility of the candidates. The election date is April 8.

Miss Jane Rockwell, instructor in the Department of Industrial Journalism and Printing; Ema Lou Bireline, Lewis, and Mary Morris, Chapman, were initiated into Theta Sigma Phi, women's honorary journalism society, last Thursday.

Applications for entrance into either the advanced or primary flying course this summer will be taken after May 1, according to Prof. C. E. Pearce, director of the Civil Aeronautics authority at Kansas State College.

Six college students attended the Independent Student union national convention at Austin, Texas, last Friday and Saturday. Those making the trip were Ralph York, Dunlap; Leonard Robinson, Viola; Adzianna Blochinger, Concordia; Belle York, Dunlap; Irene White, Kingsdown, and Opal Thompson, chaperon, Manhattan.

ROTC students will participate in the celebration of Army day here Monday. At 2 p. m. there will be a parade of the ROTC units from Kansas State College, the military band and mechanized equipment from Ft. Riley. The program is being arranged by the Department of Military Science and Tactics at the College, the Manhattan Chamber of Commerce and officers at Ft. Riley.

Miss Anna M. Sturmer, associate professor in the Department of English, announced this week that the annual Shakespeare dinner will be Monday, April 21, from 5:30 to 8 p. m., on the second floor of Thompson hall. Shakespearean comedy—high comedy, low comedy and farce—will be the subject of the program this year. Pres. F. D. Farrell will speak, and Prof. William Lindquist of the Department of Music will have charge of the music.

Dr. Andre Baude, a French physician who participated in the evacuation of Dunkerque, returned to France to fight with the reorganized forces, was captured by the Nazis and later escaped, will speak at the Manhattan high school auditorium Thursday night. Doctor Baude's subject will be "The Fall of France." He is appearing under the sponsorship of Sigma Delta Chi, professional journalism fraternity, and the Manhattan Junior Chamber of Commerce.

DEATHS

CASE

S. U. Case, Ag. '23, died March 23 at his home in Girard. He suffered a stroke more than a month ago. He had been county agent in Crawford county for eight years, and teacher of vocational agriculture at Oskaloosa previous to that. He is survived by his widow, Vida (Ayers) Case, '22.

KANSAS STATE COLLEGE RECORDINGS

"Alma Mater" and "Wildcat Victory" by the Kansas State College Men's chorus and

"Roll on, Kansas State" and "Shoulder to Shoulder" by the College band

All four of the above songs so dear to Kansas State College students and alumni recorded on one standard phonograph record will be mailed anywhere in the United States for \$1 each. Alumni in foreign countries should add the necessary additional postage.

If you wish one of these records for your home or alumni meeting, fill out the following order blank and mail to the Kansas State College Alumni association, Manhattan.

☐ Inclosed find \$1 for one K. S. C. recording.

☐ Inclosed find 15c for one printed copy of "Wildcat Victory."

Name

Address

HOSPITALITY EXHIBITS TO DISPLAY MALE LIFE

BOOTHS "ESPECIALLY FOR MEN" ARE INCLUDED

Masculine Place in Homemaking and Distribution of Family Income on Fair Basis Will Be Shown in April

Men will share in the 11th annual home economics Hospitality days April 18 and 19 in a way that they have not shared in previous exhibitions. A display "especially for men" will be offered to show the part that men play in homemaking.

Home management and its relation to the men who live in their own homes are to be shown in estimates of how great a proportion of his annual income a man should spend in buying and furnishing a home. An ideal reading corner for the head of the house will be arranged, and the points to be observed in choosing chairs and lamps will be explained to visitors.

DISPLAY TYPICAL HOBBIES

Typical men's hobbies—chemical laboratory, photography dark room, woodworking shop, collections of rare stamps and coins, amateur astronomy—will be displayed as part of the appeal to men. Projects developed in such hobbies will be shown and the operation of a telescope in studying astronomy will be explained.

That men engaged in sedentary work require different foods than men engaged in active work will be demonstrated in the foods display.

Representative foods in correct proportions and combinations that have been prepared in the most healthful ways will be presented at the exhibit. Essential food requirements for men in one type of work will be contrasted with those for men in other types.

MALE FASHION SHOW

Seam construction, concentration of strength of material at points of greatest wear and other points to observe in choosing an overcoat will be shown.

Correct attire for sport, business and formal occasions and methods of pressing, cleaning and caring for such clothing will be a feature of the clothing exhibit. Accessories to be worn with each type of clothing and methods of choosing them for each type also will be shown.

WLW SCHOLARSHIPS OPEN TO THREE RADIO STUDENTS

Merton Emmert Won Award in 1939 to Spend Six Months at Radio Station

WLW, Cincinnati radio station, has announced its annual scholarship awards competition for 1941, according to word received by James P. Chapman, assistant extension editor, from George C. Biggar, WLW program director.

The awards, founded two years ago, during each of the past two years have enabled two young men with college training in agriculture and some radio experience to go to Cincinnati and learn agricultural radio under guidance.

In the first competition in 1939, Merton Emmert, Kansas State College agricultural student, won one of the two scholarships.

This year, according to Mr. Biggar, three awards will be made. One of these will go to a senior in agriculture for specialized ability displayed in planning and executing agricultural radio programs; one will be made for general announcing, writing and production, and a third for radio promotion and market research.

This year's competition is open to any college senior with radio qualifications enrolled in state universities, land-grant colleges and colleges which are members of, or approved by, the Association of American Universities. Each winning candidate will spend six months at WLW, starting July 1, and will receive a \$500 scholarship award, this amount to be apportioned over the 26 weeks.

New Phi Delta Housemother

Mrs. E. C. Brownson of Kansas City, Mo., recently was chosen to replace the late Mrs. Grant Mathias as housemother of Phi Delta Theta, social fraternity. Mrs. Brownson, who lived at 3327 Park street, Kansas City, takes over her duties in Manhattan April 2. She formerly was employed by the Columbia National bank in Kansas City.

Jardine to Talk at Seminar

Dr. William Jardine, former president of Kansas State College, will speak at the agricultural seminar at 4 p. m. Thursday in the College Auditorium. Doctor Jardine, now president of the University of Wichita, left Kansas State College in 1925 to become United States secretary of agriculture. Later he was minister to Egypt.

BEEKEEPING IS FACTOR IN SOIL CONSERVATION

Prof. R. L. Parker Describes Opportunities in Areas Having Alfalfa and Sweet Clover

"There is a golden opportunity for beekeepers in areas where alfalfa and sweet clover have become a definite part of the soil conservation program," R. L. Parker, professor of apiculture, wrote in a recent article printed in the American Bee Journal.

Professor Parker estimated that there are about 25,000 colonies of bees in the eastern half of Kansas. Under favorable conditions for beekeeping, he estimates that this number could be increased to 200,000 or 300,000 colonies because of the greatly increased acreage of alfalfa and sweet clover that now is being grown as a part of the soil conservation movement.

In those parts of the state where soil conservation work has greatly increased the acreage of legumes, he pointed out that beekeepers should increase the number of colonies now kept. The increase in the number of bees in these areas not only will be beneficial to the beekeeper, but also will assist the farmer who grows the alfalfa and sweet clover. The bee, seeking nectar, brings about the pollination of the flower on these plants and thus assures a more uniform seed crop, Professor Parker stated.

Every acre of alfalfa or sweet clover can support a colony of bees, according to the bee specialist. In a recent survey of the eastern part of Kansas in the soil conservation areas, beekeepers and entomologists noticed that there were few and sometimes no honey bees in areas where there were large acreages of sweet clover and alfalfa. Professor Parker urged that the bee population in these areas be increased, not only for the sake of producing more Kansas honey, but also for the benefit of the sweet clover and alfalfa plants.

F. D. FARRELL ANNOUNCES TWO FACULTY RESIGNATIONS

Mrs. Nina M. Rhoades, Van Zile Hall Social Director, Will Leave

Pres. F. D. Farrell has announced the resignation of two members of the College staff, Mrs. Nina M. Rhoades and Dr. A. C. Tregidga.

The resignation of Mrs. Rhoades, social director of Van Zile hall, the women's dormitory, becomes effective June 30. Mrs. Rhoades has been associated with the College since 1926.

The resignation of Doctor Tregidga, instructor in the Department of Electrical Engineering, was effective March 31.

Three Named to Pro List

Virgil Whitsitt, Phillipsburg; Victor Volsky, Pittsfield, Mass., and Walter Martin, Pratt, have been added to the list of journalism professionals of the Department of Industrial Journalism and Printing. Whitsitt, a transfer student, won a \$100 Kansas City Board of Trade scholarship last September.

SUMMER SCHOOL OFFERS MORE THAN 400 COURSES

DEAN HOLTON ANNOUNCES PROGRAM FOR 1941 SESSION

Faculty Will Include 175 Instructors in Arts and Science, Agriculture, Home Economics, Engineering and Vet Medicine

More than 400 graduate and undergraduate courses will be offered this year in summer school at Kansas State College May 28 to July 26. Announcement of the 1941 summer school program was made by E. L. Holton, dean of the summer school.

The summer school faculty will include 175 instructors for courses in arts and science, agriculture, home economics, engineering and veterinary medicine.

AID TO DEMOCRACY

"When President Lincoln signed the Morrill act creating the 'new type of college to democratize higher education' he said that they would be the first line of defense for our American democracy. Not in great emergencies only, but year in and year out, and every year, the controlling purpose of Kansas State College of Agriculture and Applied Science is to defend and perpetuate our American democracy," Dean Holton declared.

A three weeks' guidance clinic, June 2 to 21, will be among the special features of the 1941 summer school. The clinic is designed for administrators and directors of guidance, and for graduate students looking toward guidance and counseling responsibilities as superintendents, principals, guidance supervisors and teachers.

Leaders and advisers will include R. E. Brewster of the United States Office of Education, Washington, D. C.; W. T. Markham of the State Board for Vocational Education, Topeka; Dr. C. V. Williams, Dr. V. L. Strickland and Dr. J. C. Peterson, all of the College Department of Education.

WIGGAM WILL LECTURE

Also included in the summer school will be the fourth annual Rural High School clinic, June 9, and a lecture by Dr. Albert E. Wiggam, philosopher and psychologist and author of "Exploring Your Mind," a newspaper column. The Henry Thompson players will give an entertainment, and the Ben Greet players will present a Shakespearean play during the summer.

FIVE CHEMICAL ENGINEERS ACCEPT DU PONT POSITIONS

May Graduates Will Work at Wilmington or Seaford, Del.

Five seniors in the Department of Chemical Engineering have accepted positions with E. I. du Pont de Nemours and company, Inc., in Wilmington and Seaford, Del.

The appointments will become effective soon after graduation exercises in May, according to Prof. W. L. Faith, head of the Department of Chemical Engineering.

The five include Tom R. Woods, Burden, who will join the commercial explosives department, Wilmington, Del.; George Packer, Manhattan, and C. A. Day, Ottawa, with the military explosives department, Wilmington, Del.; and Hugh Shade, Ramtoul, and Ralph Thomas, Independence, with the nylon division at Seaford, Del.

Gill to Address Banquet

Murray F. Gill, president of the Kansas Gas and Electric company, will address the first annual Kappa Sigma district leadership award banquet at the Gillett hotel, the evening of April 5. Mr. Gill is an alumnus of the University of Texas chapter of Kappa Sigma. He will speak after presentation of the leadership award to the most outstanding senior undergraduate member of the Kappa Sigma fraternity from the chapters of Kansas and Nebraska.

PATRICK HENRY'S DESCENDANT TAKES ORATORICAL HONORS

Marcile Norby, Cullison, Is Judged Best in Annual Intersociety Competition

Marcile Norby, Cullison, won the 41st annual intersociety oratorical contest Friday night with her oration on "True Americanism." Miss Norby, who represented the Ionian Literary society, is a great, great, great, great granddaughter of Patrick Henry, American Revolutionary patriot.

Taking second was Orville Burtis, Hymer, who represented the Athenian society and talked on "Our Good Earth." Other contestants were Marjorie Force, Wheaton, Browning representative, and John Marten, Winfield, representative of the Hamilton society. Miss Force talked on "The Jericho Road" and Marten on the Kansas quartocentennial Coronado celebration.

Judges of the annual contest were Mrs. Merle Spencer, Manhattan, Prof. R. W. Conover of the Department of English and William Troutman, associate professor of the Department of Public Speaking.

Virginia Goodwin, Hiawatha, sang a solo, and Margaret Schnacke, La Crosse, played a violin solo during the program. Dr. J. T. Willard, College historian, presided for the 41st time at an oratorical contest.

500 ARE EXPECTED

(Continued from page one)

Kelly, professor in the Division of College Extension, and Roger C. Smith, professor of entomology. Graduate students on the program are Floyd Holmes, Prescott; Richard Schwitzgebel and Lyle Edelblute, both of Manhattan, and H. P. Boles, Wilmore.

On the program of the psychology divisional meeting will be John C. Peterson and V. L. Strickland, professors in the Department of Education.

The Kansas State chapter of the American Association of University Professors will present Fritz Moore, president of the Kansas State College chapter, and S. A. Nock, College vice-president.

Representatives of Kansas State College at the joint session of the Kansas chapter of the Mathematical Association of America and the Kansas Association of Teachers of Mathematics will be Helen Moore, dean of women; R. W. Babcock, dean of the Division of General Science, and H. C. Fryer, assistant professor in the Department of Mathematics.

Local committee members for the meeting are Professor Bushnell, general chairman; Professor Byrne, banquet; Professor Frazier, registration; A. L. Olsen, instructor in the Department of Chemistry, exhibits; Professor Herrick, meeting rooms and equipment; Ralph Rogers, Manhattan, junior academy, and L. E. Hudiburg, assistant professor in the Department of Physics, room reservations.

A feature of the program is a Saturday morning meeting for college students. This is the second time the college student program has been a part of the academy meeting, according to Roger C. Smith, professor in the Department of Entomology and secretary of the association. M. W. Allen, graduate of Kansas State College and instructor at the Coffeyville junior college, will preside over this meeting. The Texas Academy of Science is the only other state academy maintaining such a meeting for college students, said Professor Smith.

Those from Kansas State College who will take part in the college student program will be Capt. Delos C. Taylor, assistant professor in the Department of Military Science and Tactics; Ray Bukaty, Kansas City, and Phillip Myers, Formoso, students in the Division of Engineering and Architecture, and Kemp G. Stiles, Topeka, student in general science.

WILDCATS WILL BATTLE KANSAS NINE NEXT WEEK

FLOYD KIRKLAND, JUNCTION CITY, TO PITCH OPENER

Coach Frank L. Myers Announces Probable Starting Line-up with Five Letter Men and Two Rookies

Floyd Kirkland, a letter man from Junction City, will start on the mound for Kansas State College in the first of two games against the University of Kansas at Lawrence April 7 and 8.

Coach Frank L. Myers announced a probable starting line-up of five letter men, two squad men from last year and two rookies. Judging from spring workouts, the Wildcats will offer a smooth-working infield to their opponents this season.

MYERS ANNOUNCES LINE-UP

The probable line-up for Monday's game includes Kirkland and Charles Kier, Mankato, pitchers; Norbert Raemer, Herkimer, catcher; Kenny Graham, Framingham, Mass., first base; Ray Dunlay, Parsons, second base; Neal Hugos, Manhattan, third base; Warren Hornsby, Topeka, shortstop; Ray Rokey, Sabetha, left field; Chris Langvardt, Alta Vista, center field; Vervle Snyder, Mayetta, right field. Kirkland, Graham, Hornsby, Langvardt and Rokey are letter men. The first-year men are Dunlay, Hugos and Kier.

Pitching choices for the second game probably will be Harold Hossfeld, Willis, and Jack Wilson, Burrton.

REGULARS LOSE TO RESERVES

Monday afternoon, the Flannigans, composed of regulars on the Wildcat squad, were defeated, 10-11, by the Yannigans, the reserves, in a six-inning practice game. The players made five errors in the second intrasquad contest of the season.

Three men, Bill Cook, Manhattan, Hornsby and Kier, connected with homers in the six innings. Cook made his in his first time at bat with three men on base to bring in the first four scores for the reserves. Hornsby made four bases on a long drive deep into center field in the second inning, and Kier, a husky southpaw, knocked one over the right-field fence in the fifth frame for the last homer.

ENGINEERING VERSATILITY SHOWN BY LOCAL PROFESSOR

Dr. W. T. Thomson Wins Awards in Two Fields, Resigns to Enter Another

If awards were available for versatility in the field of engineering, Kansas State could well nominate Dr. W. T. Thomson, assistant professor of applied mechanics, his associates believe.

A few days ago, about the time Doctor Thomson announced he would resign, effective April 19, to do research for Boeing Aircraft at Seattle, he received a \$50 award and a certificate for the best paper presented last year to the American Society for Testing Materials. The award was made for the best paper on the general subject of concrete aggregates. Doctor Thomson's paper was on "A Method of Measuring Thermal Diffusivity and Conductivity of Stone and Concrete."

He previously had won an award on an electrical engineering subject. This, plus his most recent award and his appointment to a research job in a defense industry, gives him recognition in the fields of civil engineering, electrical engineering and aeronautics.

Will Compete at Austin

Coach Ward Haylett will take a squad of 16 Kansas State College track and field men to Austin to compete in the annual Texas relays Saturday. Probable K-State entries include Jim Johns, Manhattan; Rufus Miller, Hiawatha; Wilfred Burnham, St. Francis; Loyal Payne, Manhattan; James Upham, Junction City; Sam Johnson, Oswego; Thaine High, Abilene; Don Borthwick, Beeler; Ed Darden, Manhattan; Gilbert Dodge, Dighton; Louis Akers, Atchison; Ken Makalous, Cuba; Les Droge, Seneca; Richard Peters, Valley Falls, and Bill Thies, Marion.

Arbor Day Broadcast

A transcribed message by Gov. Payne H. Ratner was presented on a special Arbor day broadcast from the College radio station, KSAC, Friday noon.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Our present standards of living are based on the fullest possible use of modern transportation and communication facilities."

The development of modern transportation and communication systems has increased the interdependency of peoples in all parts of the world. Widespread war in Europe in the time of Napoleon had far less effect on the people of America than the present European war. The development of transportation and communication systems has lessened distances and increased the degree to which disturbances affect people throughout the world. Remote neighbors have become near neighbors and their quarrels disturb our peace and interfere with the conduct of our business affairs.

If America is to become isolated from much of the rest of the world,

the use of modern transportation and communication systems in making contacts with other countries must be restricted. With such restrictions, of course, would come decreased use of the goods and services secured from these other parts of the world. Since many of these goods cannot be obtained at a reasonable cost in this country, their use would have to be reduced or abandoned. This would decrease the goods available to satisfy our wants and would lower standards of living correspondingly. Our present standards of living are based on the fullest possible use of modern transportation and communication facilities.

THE KANSAS INDUSTRIALIST

Volume 67

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, April 9, 1941

Number 26

HOME PANEL WILL OPEN HOSPITALITY ACTIVITIES

DR. ALICE SOWERS OF OKLAHOMA
HAS PLACE ON PROGRAM

Assembly Discussion on Family Life
Will Officially Begin Two Days
of Divisional Open
House

A panel discussion on "Home, the First Defense" officially will open the Hospitality days program at an assembly in the College Auditorium on Friday, April 18. Dr. Alice Sowers, head of the Family Life Institute of the University of Oklahoma, will lead the discussion.

Doctor Sowers will discuss family problems and other members of the panel will elaborate points presented in her speech. Others participating on the panel will be Dr. Katharine Roy, head of the Department of Child Welfare and Euthenics; Mrs. A. L. Clapp, Manhattan; Dale Rundle, Axteell; Marianna Kistler, Manhattan; Garland Childers, Augusta, and Bill Hickman, Kirwin.

EXHIBITS OPEN TWO DAYS

Exhibits, housed in Anderson and Calvin halls, will remain open from 1 p. m. to 10 p. m. Friday and from 8 a. m. to 3:30 p. m. Saturday. These exhibits will represent work done in each department of the division and aid in interpreting the work to the general public.

Contests open to all high school visitors will be held Saturday morning. Judging contests and written examinations covering art, foods, clothing and home living will be offered, with Kansas State compacts and letter openers to be given as prizes to the highest scorers.

Preliminary to the official opening, an all-division banquet will be served Thursday evening. At the banquet, honors received by home economics students throughout the year will be announced, including names of those co-eds elected to Phi Kappa Phi, all-school honorary society. The senior woman and the sophomore woman who have ranked highest scholastically during their years in school will be honored. New officers of the Margaret Justin Home Economics Club will be installed at that time. Recognition will be given the women's meat judging team.

LUNCHEON FOR VISITORS

Luncheon for the high school girls will be given Saturday at noon in Recreation Center. Dorothy Beezley, Girard, general chairman for Hospitality days, will be toastmistress. Individual musical numbers and group singing will be the program for the luncheon.

An assembly honoring high school visitors Saturday afternoon will include a style show. Miss Helen Moore, dean of women, will speak, and Miss Margaret M. Justin, dean of the Division of Home Economics, will discuss training offered in home economics at Kansas State.

Teas for the high school girls will be given at Van Zile hall and Thompson hall Saturday afternoon. Hospitality days will end with Hospitality hop on Saturday night. Matt Betton's orchestra will play for the dance.

Jardine Talks at Seminar

Dr. W. M. Jardine, president of the University of Wichita, former president of Kansas State College and former United States secretary of agriculture, told students at an agricultural seminar Thursday that farmers are due for a turn for the better now. Discussing the national debt, he said that if each of the United States workers contributed two hours weekly, the nation's indebtedness could be reduced at an astonishingly rapid rate.

Londoner to Address Co-ops

Waling Dykstra, the Londoner who handled a million dollars' worth of international trade a year for 17 cooperative wholesales in 14 countries, until the war dynamited the business and a bomb destroyed his office, will speak at the Co-op conference banquet Thursday night.

Radio Program on Hogs

Hog raisers may listen to tips on creep feeding pigs, and advice on the market outlook for pigs this year, Friday at 12:30 p. m. during the Farm Hour program over the College radio station, KSAC.

GENERAL SCIENCE FACULTY ADOPTS ENGLISH PROGRAM

Students Will Be Required to Pass
Language Proficiency Examination
Before Graduation

The Division of General Science faculty, in an effort to improve the proficiency of College students in the use of English, last week adopted a plan for tests in English for students in that division. The plan probably will go into effect at the beginning of the 1942-43 school year. The proposal calls for the appointment of a committee of seven by the dean of the division.

The plan, as adopted by the General Science faculty, provides that a student must pass the qualifying examination to be eligible for graduation. The examination, to include written composition and objective tests, is to be given once a semester each year for second-semester juniors, for transfer seniors and for those students who have failed previously. The plan provides that there always be one member from the Department of English and one member from the Department of Public Speaking on the committee.

General Science faculty members adopted the plan after a study by a faculty committee. This committee, headed by Miss Nellie Aberle of the Department of English, made a survey of plans in use at other institutions and spent several months studying these plans before submitting the recommendations to the General Science faculty at Kansas State College.

Chief aims of the plan are to provide an incentive for students to maintain the standards of English proficiency attained during the freshman year in Rhetoric I and Rhetoric II courses. Most members of the faculty feel that students have a tendency to become careless in written and oral English after English courses have been completed. The examination is expected to provide an incentive for maintaining skills and possible further improvement.

Engineers Get Jobs

Two more chemical engineering seniors who are candidates for degrees this spring at Kansas State College have accepted positions beginning June 1. They are Emery Levin, Lindsborg, who will work for the General Chemical company, Chicago, and C. B. Sprague, El Dorado, with the Socony-Vacuum Oil company, Augusta.

PHI KAPPA PHI HONORS GIVEN TO 44 STUDENTS

NATIONAL SCHOLASTIC HONORARY
GROUP ANNOUNCES LIST

To Be Accorded Recognition, Candidates Must Rank in Highest 10 Percent of Their Class

Forty-four new members have been elected to the Kansas State College chapter of Phi Kappa Phi, national scholastic honorary organization. To be elected to Phi Kappa Phi, students must rank in the highest 10 percent of their class scholastically.

The newly elected members and their divisions:

EIGHT FROM AGRICULTURE

Division of Agriculture—Frank Allen Slead, Neosho Rapids; Orville Walter Love, Neosho Rapids; Paul Elbert Smith, Lebanon; Leland Leon Groff, Parsons; Eugene Ellsworth Woolley, Osborne; John Stanley Winter, Dresden; Doyle Wayne LaRosh, Natoma, and Arden Reiman, Byers.

Division of Engineering and Architecture—Keith Leon Witt, Independence, Mo.; Shirley Frederick Eyestone, Wichita; John Richard Romig, Bethany, Mo.; Byron White Jr., Neodesha; Elmer John Rollins, Manhattan; Ralph John Wahrenbrock, Enterprise; Harold Raymond Harris, Geuda Springs; Garland Baxter Childers, Augusta; John Gilbert Brewer, Concordia; Charles Elmer Webb Jr., Hill City.

TEN FROM HOME EC

Division of General Science—Robert Earhart Crow, Harper; Robert Thomas Cotton, Manhattan; Nancy Patricia Wilkins, Steelville, Mo.; Henry S. C. Lau, Arkansas City; Mary Marvel Kantz, Wichita; Bernice Maude Horton, Wayside; Richard Warren Cope, Holton; Kathryn Elizabeth Blevins, Manhattan, and Walter Woodrow Martin, Pratt.

Division of Home Economics—Maxine Beryl Bishop, Abilene; Elizabeth Lurene Titus, Cottonwood Falls; Mildred Blanche Bozarth Davis, Concordia; Joan Miller, Milford; Katherine Jean Wadley, Silver Spring, Md.; Dorothy Beyer, Sabetha; Marjorie Jane McKee, Chanute; Dorothy Elizabeth Axcell, Chanute; Florence Verda Gwin, Junction City, and Leila Alouise Roberts, Parsons.

FOUR GRADUATE STUDENTS

Division of Veterinary Medicine—Robert Donald Immenschuh, San Diego, Calif.; Glover Wilson Laird, Kansas City, Mo., and Richard William Swart, Manhattan.

Division of Graduate Study—Franz Leidler, Manhattan; Hsien Tsin Chang, Shanghai, China; Lyman Philip Frick, Kansas City, Mo., and Charles John Birkeland, Manhattan.

Independents Capture Eight Offices in Hotly Contested Election Battle

In one of the liveliest elections in recent years, the student body yesterday selected eight Independent and four Greek candidates for next year's Student Council and the Board of Publications. A total of 2,523 students voted, 80 more than a year ago.

Several dozen students paraded through Anderson hall throughout the day, wearing sandwich-board signs telling of their candidates.

The Student Council balloting was as follows:

Division of Home Economics (two elected)—Dorothy Beezley, Girard, Independent, 1,600; Jane Haymaker, Manhattan, Pi Beta Phi, 1,386, and Helen Woodard, Topeka, Independent, 1,330.

Division of General Science (two elected)—Ralph Perry, Oskaloosa, Independent, 1,343; Marjorie Spurrier, Kingman, Kappa Kappa Gamma, 1,260; Alma Deane Fuller, Courtland, Independent, 1,161, and Don Kortman, Manhattan, Sigma Nu, 1,057.

Division of Veterinary Medicine

(one elected)—Richard Gorman, East Hartford, Conn., Independent, 1,311, and Robert Lank, Kansas City, Alpha Gamma Rho, 1,140.

Division of Engineering and Architecture (two elected)—Larry Spear, Mission, Independent, 1,654; Don Moss, Miltonvale, Independent, 1,464, and Robert Dunlap, Liberal, Sigma Alpha Epsilon, 1,210.

Division of Agriculture (two elected)—Ray Rokey, Sabetha, Alpha Gamma Rho, 1,460; Robert Singleton, Kansas City, Independent, 1,216; Pierce Wheatley, Gypsum, Kappa Sigma, 1,180, and George Wreath, Manhattan, Independent, 1,034.

Balloting for the Board of Publications' three positions was as follows:

Martha Payne, Manhattan, Independent, 1,964; Kenneth Hamlin, Manhattan, Sigma Phi Epsilon, 1,323; Gordon West, Manhattan, Independent, 1,243; Jack Curtis, Garden City, Independent, 1,156, and John Koger, Cheney, Delta Tau Delta, 1,143.

Mrs. Farrell to Visit East

Mrs. F. D. Farrell, wife of the College President, will leave tonight for a three weeks' trip in the East. She will visit her daughter, Mrs. H. E. Ross, and Mr. Ross in West Hartford, Conn., and on her return trip will stop in New York, Washington, D. C., and St. Louis, Mo.

COLLEGE FAVORS A. A. U. P. MORE THAN K. S. C. FACULTY

—NOCK

Vice-President Explains Administration Is Enthusiastic About Organization

Kansas State College is unusual in that the administration, as represented by the President at any rate, is much more enthusiastic about the American Association of University Professors than are the members of the faculty. Dr. S. A. Nock, College vice-president, told members of the Kansas chapters of A. A. U. P. at a meeting Saturday in connection with the Kansas Academy of Science.

Doctor Nock, in carrying the College administration's message, said most of the faculty members of Kansas State College do not join the A. A. U. P. because they seem to regard it as a sort of lost defense of forlorn hopes rather than a national organization valuable to people who are not in danger as well as to people who are. It is unfortunate that there is not more of the cooperative spirit which would lead our faculty to interest itself in the problems of other faculties, Doctor Nock said.

Prof. Frederick S. Deibler, Northwestern university, national A. A. U. P. president, gave a short history of the organization and its principles. He compared the organization to the professional societies of lawyers and physicians. The organization tries to iron out difficulties which arise from time to time between a college administration and its faculty. It also works toward the advancement of the standards and ideals of the college teaching profession.

Dr. Fritz Moore, head of the Department of Modern Languages and president of the local chapter of the A. A. U. P., gave a speech in which he stressed the desirability of informality in teaching. He also said that good teaching is of more importance than academic scholarship.

During the afternoon session, Dr. A. B. Sageser, Kansas State College Department of History and Government, was elected chairman of the central committee of the Kansas chapters of the A. A. U. P. The other members of the central committee this year will be chosen by the various local chapters instead of elected at the annual meeting, as formerly.

Doctor Sageser succeeds Prof. Robert Conover, College Department of English, as central committee chairman. Professor Conover had been chairman of this committee since its inception five years ago.

TWO CANTATAS PRESENTED AT TUESDAY'S ASSEMBLY

Easter Program Is Given Under Direction of Prof. Edwin Sayre

Two cantatas, "Joshua" and "Gallia," were presented by the College vocal ensemble at the YWCA-YMCA sponsored Easter assembly Tuesday at 2 p. m. in the College Auditorium. The ensemble is under the direction of Edwin Sayre, associate professor in the Department of Music.

The assembly program included an organ prelude by Miss Marion Pelton of the Department of Music, and a reading by Marjorie Spurrier of Kingman.

The vocal ensemble of college students included Helen Dahl, Manhattan, Mary Dillin, Hutchinson, Clara Jane Billingsley, Belleville, and Nancy Wilkins, Steelville, Mo., sopranos; Jeanette Coons, Canton, Irene Limper, Manhattan, and Jean Wright, Manhattan, altos; Leon Findley, Kiowa, and Val Gene Sherard, Great Bend, tenors; Hal Eyestone, Pittsburg, Norris McGaw, Topeka, and George Eberhart, Jewell, basses.

JOHN FRAZIER IS NAMED SECRETARY OF ACADEMY

SCIENCE GROUP PICKS LOCAL MAN
TO SUCCEED ROGER SMITH

Dr. Frank C. Gates, Chosen a Year Ago,
Takes Over Position of New
President of Kansas
Organization

Dr. John C. Frazier, assistant professor in the Department of Botany and Plant Pathology, was elected secretary of the Kansas Academy of Science for the coming year at the final general meeting held last Saturday. He succeeds Dr. Roger C. Smith, professor of entomology.

Dr. Frank C. Gates, professor in the Botany department, is the new president of the academy after serving a year as president-elect.

Approximately 700 persons attended the various sessions of the 73rd annual meeting of the Kansas Academy of Science held Thursday, Friday and Saturday on the Kansas State College campus.

CARDWELL NAMED EDITOR

Dr. L. D. Bushnell, Department of Bacteriology, was chosen for the academy's executive council. Dr. A. B. Cardwell, head of the Department of Physics, was chosen to edit the proceedings of the physics section.

Travis Brooks, Kansas State College, received the Reagan research award for research on the Myxomycetes of Kansas. Leslie L. Eisenbrandt, University of Kansas City, now doing research work at Kansas State College, received a \$40 award from the American Association for the Advancement of Science for his work in the study of intestinal mucosa for an inhibitory nematode growth factor. A \$35 A. A. S. award went to Leonard H. Moulden, Kansas State College, for collecting insects at various altitudes by airplane.

FORMER PRESIDENT TALKS

The academy meetings opened with an address by Dr. W. M. Jardine, president of the University of Wichita and former president of Kansas State College, on Egypt, its agriculture and its place in the present world conflict. Doctor Jardine spoke under the joint auspices of the academy and Gamma Sigma Delta, honorary agricultural fraternity. He told of the strategic position Egypt holds in the present crisis.

He said that the reason that Egypt has not declared war against the Axis powers is because her irrigation system could be destroyed by bombs very quickly. Doctor Jardine said many Italians living there would form an effective fifth column.

Dr. William L. Hart, professor of mathematics at the University of Minnesota, gave an address on "Mathematics and National Service." Mathematics is of utmost importance at the present time because military science is essentially a mathematical science. Most of the skilled workers employed in the defense industries must have considerable knowledge of mathematics to do their jobs.

OTHER GROUPS MEET

Organizations participating in the academy meetings included the Kansas Entomological society; Junior Academy of Science of Kansas; the Mathematical Association of America, Kansas section; Kansas Association of Teachers of Mathematics, and Kansas chapters of the American Association of University Professors.

Sections making up the academy program included botany, chemistry, physics, psychology, zoology, geology, biology teachers and a special section for college students.

Mackintosh on Eastern Tour

D. L. Mackintosh, associate professor in the Department of Animal Husbandry, left Sunday for a two weeks' cattle feeders' tour in the East. The tour, under the sponsorship of Swift and company, will include three-day stops in Chicago, Boston, New York City, Baltimore and Washington, D. C. Taking the trip will be about 20 cattle feeders from over the United States.

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HILLIER KRIEGBRAUM Associate Editors
KENNEY FORD Alumni Editor

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WEDNESDAY, APRIL 9, 1941

'LET IT RAIN'

Time was when several consecutive days of wet weather would have dampened the spirits of all but the most determinedly cheerful, but most Kansans not only were still able to smile, but felt like doing it, on the fourth day of our recent rainy spell.

Kansas has become water-conscious in the past decade, in part because of the natural reaction to heat and dry weather, in part because of the able presentation of the importance of water conservation to the future of the state.

The writings of George S. Knapp, chief engineer of the division of water resources of the Kansas State Board of Agriculture, and of R. I. Throckmorton of the Department of Agronomy of this College, have been distributed in tens of thousands of copies by the agricultural committee of the Kansas Bankers' association. The story also has been told in person by Knapp and Throckmorton and by dozens of other able and informed speakers. Newspapers, magazines and radio stations have played an important part in bringing home the seriousness of such facts as that runoff in Kansas streams decreased by 20 to 50 percent in the 1931-1939 period as compared with 1922-1930. The fact that the Walnut river, for example, was reduced 48 percent in stream flow by an 18 percent deficiency in rainfall and a 2.8 percent rise in average temperatures over a nine-year period, has become a menacing rather than a merely annoying fact. The average Kansan has been made to realize that unless the available water supply is conserved through better cultivation practices and an increase in storage reservoir capacities, both the state's agricultural and manufacturing industries will face an increasingly difficult water-supply situation.

A decade of warmer weather, decreased rainfall, sharply rising percentages of evaporation, has brought even the city dweller face to face with a fundamental fact the farmer never forgets for a moment: that human existence depends on the forces of nature being limited to a rather narrow range of fluctuation.

Temperature and rainfall charts of the past decade are an unpleasant reminder of what nature might do to us if she started out in earnest. That uneasy knowledge lies behind some of the smiles over our recent rainy spell, behind the often-voiced comment: "It can't rain too much to suit me!"

APPLYING SCIENTIFIC METHODS

As I see it, ours is not an age of science. Men are still driven by greed and confused by guile, rather than guided by reason based on our expanding knowledge. Science has greatly enlarged man's understanding, conquered many of his diseases, lengthened his life, multiplied his joys, decreased his fears, and added much to his physical comforts and powers. But man may and does use these and other achievements for a greater social injury, instead of for a further social advance. Science is specifically human, in that it stems from the innate curiosity of all men, and the conspicuously plastic brains of the ablest, if not the noblest, of our fellows. If this be so, it follows that the scientific method and its products cannot be, in any funda-

mental and permanent sense, in conflict with human nature, though our present human society, a product of the past, dominated by greed, force and fear, may be and is in conflict with the scientific method. Whether science and the scientific method, whether understanding, honesty, reason and justice can contrive survival values equal, if not superior to the blind forces of nature which shaped man's past, is as yet in the laps of the gods. Still, we cannot deny the possibility, and we will nurse the hope that the hairy ape who somehow lost his tail, grew a brain worth having, built speech and song out of a hiss and a roar and stepped out of the cave to explore and master the universe, may some day conquer his own irrational and myopic behavior toward his kin.—From an address, "Science Versus Life," made by Dr. A. J. Carlson of the University of Chicago, before the American Association for the Advancement of Science.

ESSENCE OF RHYTHM

Repetition is of the very essence of rhythm and harmony. It is not an eddy in the current; it is the current itself deepened and less obstructed. It is not something added from without; it is an enlargement and enrichment from within.

All rhythm is repetition. In poetry there is first the recurrence of definitely numbered and definitely ordered feet, then of lines, then of terminal or interior rhymes, till the stanza, a symphony of antiphonal repetitions, emerges complete. Then the march begins, stanza following stanza, line-length playing to line-length, rhyme answering to rhyme, and perhaps a terminal refrain summarizing and projecting the melody of the whole.

But to Poe's ear this was not enough. He diffused other repetitions through his stanzas, and these repetitions not only made each stanza a more musical unit in itself but linked stanza to stanza in an unbroken strain of marching music unheard till then but heard continuously since then.—C. A. Smith, in "Edgar Allen Poe."

TROJAN HORSES

A perusal of history reveals countless "Trojan horses," in many countries, and from earliest times right down to certain events of the last few months. Egypt used the Trojan horse strategy some 300 years earlier than the classical example which enabled the Greeks to take Troy and reclaim the fair Helen. The fall of Troy occurred about 1200 B. C. About 1500 B. C. there was a war between the Egyptians and the Prince of Jappa (Jaffa). The Egyptian general Thutiy's campaign had been unsuccessful, and the prince was apparently close to victory. During a discussion of peace prospects, Thutiy managed to get the prince asleep with powerful potions, and then clubbed him senseless. To the prince's wife Thutiy sent 500 soldiers carrying sacks. They brought a message that the Egyptians had surrendered, and that the sacks contained booty. Admitted within the city gates, they opened the sacks, and out came 200 more soldiers, providing a force strong enough to capture the city.—From Field Museum News.

DUST BOWL PHENOMENA

When dense clouds of wind-blown dust blanket a dust bowl, electrical phenomena occur which are often of a surprising nature. Press reports in the wake of these storms have described such effects as corona on radio antenna lead-ins and fences, failure of automobile ignition systems, interference with airplane communications, flashovers on power systems at insulators and lightning arrestors, and even the electrocution of wheat in the fields. These phenomena are of direct concern also to communication companies, and the possibility of their occurrence must be taken into consideration in the design of open-wire telephone circuits. If appropriate preventive measures are not provided, severe noise disturbances may be caused on important circuits during dust storms.—From the Bell Laboratories Record.

The language of tones belongs equally to all mankind, and melody is the absolute language in which the musician speaks to every heart.

—Richard Wagner.

SCIENCE TODAY

By MISS W. PEARL MARTIN
Home Health and Sanitation Specialist,
College Extension Service

Wholesome recreation in family life is a goal worth achieving. Like other worthwhile things, it takes some thoughtful planning in order to be a success. Every member of the family should be considered as a social being, and the age and needs of each individual should be carefully thought out.

Women complain that there are so many outside diversions and activities that they cannot get their families together enough. So I am discussing a program of family recreation which has seemed to fill a need, and which has been very popular in the past year because of the wish of many mothers to have father, mother and children at home together at least one evening in the week.

Keeping in mind that family recreation can be inexpensive and at the same time rich in social values, get your family together in family council. With the opinions of the whole family before the house, sort out ideas and plan for the program.

Winter always has been house time. During the long winter evenings, reading aloud by some member of the family who can read well or even by those members who simply need the practice can be part of an evening's entertainment, while the others sew or do handicraft of some kind. The family might spend one evening choosing the books and reading material which they wish for the winter. The youngsters may work on this. The school libraries contain much excellent matter which everyone will enjoy.

Toward spring when the days are longer and getting out is desirable, plan for short walks—distances within the ability of all members of the family. Gather wild flowers or hunt for specimens of butterflies. Perhaps a small microscope may be obtained for examining these articles. It is amazing how much beauty can be discovered in the most insignificant leaf or flower.

A picnic can be planned as the ob-

jective at the end of the walk. Nothing elaborate; just have some excuse to get out in the air and to be together. Advance preparations insure success. Longer trips, if desired, can be planned. There are newspaper plants, dairies and laundries to visit in most localities. Such trips can be made educational. Nothing should be pursued to the point of weariness; remember the main object is having a good time together—recreation.

Some women like to build their own fireplaces in the back yard and have a steak or wiener roast any time of the year. If the whole family plans the fireplace and spends a few evenings making it, the interest will be greater. Remember that these fireplaces are really simple in construction and not at all expensive.

I wish you could see some of the work that has been done.

One family utilized two large containers which had been discarded by an ice plant. One container is placed above the other; then the door is hinged on the open end of the top one. The fire is made in the top one, and the lower container may be used as an oven to keep food warm or to heat buns. The only cost was two pieces of stove pipe and a few bolts. This stove is kept in the family's outdoor living room, but it can easily be loaded in a truck and taken to the creek or other picnic grounds.

Another family studied a number of plans and finally chose one, doing the work themselves. They chose native stone for the material. It has wings extended outward for seats.

The landscaping around the fireplace in the back yard may develop into an outdoor living room. These outdoor living rooms can be very satisfactory from the viewpoint of comfort and beauty; closed from at least three sides, privacy may be had much like the old-world gardens which are so notable for beauty and comfort.

But whatever the plans, keep in view the main issue—keeping the family together contented and happy, all through the week and all through the year.

was graduated with honors from this College when 19 years old, was elected president of the Massachusetts Institute of Technology, Boston.

Dr. Henry J. Waters, former president of the College, and Pres. William M. Jardine were the principal speakers at an alumni dinner given by the Greater Kansas City Alumni association.

THIRTY YEARS AGO

J. R. McClung, '10, was in the hardware business at Jewell City.

Carl E. Rice, '97, was studying law in connection with his work in the Bureau of Customs, Manila, Philippine Islands.

William L. Hall, M. S. '98, was appointed by James Wilson, secretary of agriculture, to establish a \$10,000,000 national forest reserve in the East. Mr. Hall formerly had charge of the Department of Forest Productions in Wisconsin.

FORTY YEARS AGO

Prof. Fredric A. Metcalf gave a recital at the Christian church in Manhattan.

Henry Watterson lectured at the Manhattan opera house on "The Life of Abraham Lincoln."

C. C. Winsler, student and assistant to Professor Curtis during the term of the dairy school, began work with the Belle Springs Creamery company, Abilene.

FIFTY YEARS AGO

The Rev. A. R. Drake of the Congregational church of Manhattan led the weekly chapel exercises.

Professor Failyer's name appeared on the Citizens' ticket as a candidate for councilman from the Third ward.

Professor Popenoe and Assistant Swingle were on the program of the Manhattan Horticultural society with papers on "Spraying Apparatus for Orchard and Vineyard" and "Common Diseases of American Grapes."

SIXTY YEARS AGO

Governor St. John appointed as regents of the Agricultural College for three-year terms—John Elliott, Manhattan, and V. V. Adamson, Hol-

ton, to succeed E. B. Purcell and W. L. Challiss.

At the meeting of the Alpha Beta society the following officers were elected: F. M. Jeffery, president; J. T. Willard, vice-president; Miss Pope, secretary; C. H. Stiles, treasurer; W. J. Jeffery, marshal. Thirty-five members were present at the meeting.

KANSAS POETRY

Robert Conover, Editor

RIVER KAW

By Alberta McMahon Sherwin

Where the river flows with lazy grace
Wending its way from place to place,
Past vine-clad banks and poplar
spars,
Past dredging boats with clanking
jars,
It moves with peaceful even pace.

Sometimes a flood with turbid race
Gathers debris in widening space,
And rapids leave their yawning
scars,
Where the river flows.

The Kaw, that amber soils deface,
Is never clear of muddy trace;
Still it reflects the gleaming stars,
And robed in red and tawny bars
Sunset is held in its embrace,
Where the river flows.

Mrs. Alberta McMahon Sherwin was born in Minnesota, but has lived most of her life in Kansas City, Kan. She is a member of the Poetry Society of Kansas, the Kansas Authors' club, the Poetry Society of Great Britain and America, Kansas City Quill club and the Kansas City branch of the National League of American Pen Women. Her poems have been published in more than 50 poetry columns and magazines and in many anthologies. She is the author of a book of poems, "Tapers to the Sun," published in 1939.

SUNFLOWERS

By H. W. Davis

RUMBLINGS OF SPRING

It has been a long, tardy coming of spring. No buds are yet coaxed into swelling, no crocuses have peeped and very few yards—

That jams us right into what I'd rather not think about, but must. I've heard rumblings for two weeks or more, rumblings to the dolorous effect that something must be done about the yard. Only yesterday I played golf with a man who barely escaped a sentence of one-half day at hard labor raking off leaves and rubbish and giving tender young sprouts the "go" sign.

If women only knew what a wonderful effect on the figure raking leaves and burning them in the back alley have, they would never allow us husbands the agony of tidying up the yard in spring. Not all the athletic boat-rowing and horse-riding equipment in a super home-gymnasium can do as much toward slenderizing the waist and contouring the hips as a badly adjusted lawn mower can.

What I'd like to see made go is a nation-wide campaign for the outdoor slenderizing of all women on the home estate. It will solve practically all of the spring problems of the American husband except tax-paying, and allow him to get his golf game in shape for the early tournaments.

Driving a lawn mower and pulling a rake are ideal forms of exercise. They tend to the development of the girlish figure even in men, and are perfect plus, or thereabout, for women.

Tidying up the environs of the home fits into woman's psychology, too. It lacks organization usually, and the plans, if any, can always be completely revamped on a moment's, or without a moment's, notice. This often happens, you may remember, even when the husband is doing all the work, and thinks he is boss. I have always held that after the house and garage are built and driveways and walks laid, the husband should withdraw—the farther the better—and let the wife's finer sense of color and design and mood have utterly free play.

If we could hook up vitamin B₁, the sulphur compounds, Culbertson's latest ideas on opening bids and national unity with beautifying the lawn, the campaign would go over with a \$7,000,000,000 bang. All that, together with the waist line, would make it as impossible for a husband to get hold of the lawn mower as it is for him to get hold of the car.

That's another thing—control of the family bus, an absolute essential to early mid-season form in golf.

AMONG THE ALUMNI

John C. Christensen, B. S. '94, is controller and assistant secretary of the University of Michigan. He and Alice V. (Ipsen) Christensen, f. s. '06, live at 2127 Woodside road, Ann Arbor, Mich.

Grace Allingham, D. S. '04, recently sent to the College Alumni association office a clipping from the college catalog of Fresno State college. After her graduation from Kansas State, she qualified herself for the position of associate professor of homemaking at Fresno State by getting a bachelor's degree at Columbia university in 1911 and a master's degree there in 1929. She was home economics instructor in special schools six years; at the State Normal school, Peru, Neb., for two years, and in high schools for three years. She has been at Fresno State college since 1918. Her address is 1365 Wishon, Fresno, Calif.

Earl Wheeler, E. E. '05, is a consulting engineer. His address is 329 West Chicago avenue, Hinsdale, Ill. For several years he has been connected with the electric sales department and then was technical director for Sears, Roebuck and company in Chicago.

"Louberta (Smith) White," writes Ruth Crawford, "of the class of 1910 stopped in my office the other day. She is to have dinner with me soon. I found that she was back to visit Kansas State in 1930 and that her address in Grants Pass is 1001 North Tenth street." Miss Crawford, '32, is home demonstration agent in Grants Pass, Ore.

Dr. M. E. McDonald, '12, chief of tuberculosis control, Department of Agriculture, Sacramento, Calif., in charge of the dairy work of the California Department of Agriculture, was called to his home in Dickinson county, Kan., because of the death of his father. He spent a few hours at the College visiting faculty members and other friends.

Virgil David Stone, E. E. '13, 2625 East Tennessee, Denver, Colo., is field superintendent of Lowry field, Denver. He is a major in the air corps of the Colorado national guard, Forty-Fifth Aviation division.

George F. Haas, D. V. M. '14, and Edith (Arnold) Haas, '16, of Veteran, Wyo., visited her parents in Manhattan. He is operating a ranch with many cattle and hogs. Some of their children have graduated from, and others are enrolled in, the University of Wyoming.

L. V. Fickel, E. E. '15, is sales engineer with the Westinghouse Electric and Manufacturing company, Denver. He and Cora (Temporo) Fickel, '14, live at 1560 Park avenue.

F. G. Hartwig, D. V. M. '16, 312 Federal building, Boise, Idaho, is engaged in both tuberculosis eradication work and Bang's disease control work for the United States Bureau of Animal Industry in Idaho.

Stella Harriss, B. S. '17, M. S. '19, began service with Kansas State College in 1917 and assumed the position of assistant professor of chemistry in 1927. She is a 1908 graduate of the State Normal school at Peru, Neb.

Charles Swingle, Ag. '20, and Mildred (Berry) Swingle, H. E. '20, live at 1800 Leavenworth, Manhattan. Mr. Swingle is horticulturist with the Soil Conservation service here.

Hazel D. Howe, H. E. '21, M. S. '35, has been an instructor in clothing and textiles, College Division of Home Economics, since 1936. Before that time, she taught in Goodland and Raymond, Kan., and Mobile, Ala.

Oliver B. Reed, Ag. '22, M. S. '28, is a warehouse foreman in Bell, Calif. He moved there last year from Beloit, Kan., where he had been working with the Farm Security administration. His wife is Cecil (Mann) Reed, and they live at 7002 East Gage, Bell.

Maurice D. Laine, I. J. '22, and Helen (Coons) Laine, f. s., live at 16 Hanover road, Royal Oak, Mich. Mr. Laine is advertising representative of the Curtis Publishing company.

O. H. Aydelotte, E. E. '23, is accountant for the Public Service Company of Colorado, Denver. He has been working in Denver since his graduation. He lives at 840 South Ogden.

Dr. E. C. McCulloch, D. V. M. '24,

of the faculty of the College of Veterinary Medicine, Washington State college, Pullman, has written an article which appeared in the January, 1941, number of the American Journal of Veterinary Research.

H. "Ding" Burton, R. C. '25, and Florence (Swenson) Burton, f. s., live at 3400 West Coleman road, Kansas City, Mo. Mr. Burton, a former Kansas State football star, is sales manager of the Ash Grove Lime and Portland Cement company.

R. L. Dennen, G. S. '25, has been re-elected to head the Colby Consolidated schools and the Colby Community high school. He has been superintendent there for eight years.

Susie Geiger, H. E. '26, writes that she is now dietitian for the Holy Cross hospital, Salt Lake City, Utah. She went there from the St. Joseph hospital, St. Joseph, Mo.

Mary Ellen Collins, H. E. '27, was married June 30 to John R. Black. They live at 64 Washington avenue, Nashville, Tenn. She was formerly dietitian at the St. Francis hospital, Litchfield, Ill.

Dr. G. L. Dunlap, D. V. M. '28, is with the Ashe-Lockhart laboratories, 800 Woodswether road, Kansas City, Mo. He is secretary-treasurer for 1941 of the Kansas City Veterinary Medical association. He and his wife, Pearl (Fairchild) Dunlap, '39, live at 5726 Charlotte, Kansas City, Mo.

F. Gerald Powell, E. E. '32, is employed under civil service as inspector of engineering materials (aeronautical) for the United States navy at Bendix, N. J. His work is to inspect instruments that go into navy planes. His address is c/o Resident Inspector of Naval Aircraft, U. S. N., Eclipse Aviation, Bendix, N. J.

Robert S. Cassell, G. S. '37, was married September 7 to Verna Walker. He reported for active duty December 30 as lieutenant with the coast artillery at Savannah, Ga. He had been with the credit department of the Ohio Fuel Gas company for three years.

Charles W. Pence, Ag. '38, recently moved to 910 Neosho avenue, Burlington. He was transferred there as Coffey county rural rehabilitation supervisor for the Farm Security administration. He was married to Louise Sunderland, Centralia, October 5.

"Since we have moved here," he wrote, "I have made the acquaintance of several Kansas State graduates here in Burlington. They include Ruth Bishop, '39, who is the home management supervisor of the Farm Security administration, and Arthur Leonhard, '39, who is county agent here. I am always happy to meet old college friends."

Frank W. Jordan, Ag. and D. V. M. '39, writes: "I have recently changed my address from State College, Miss., where I was head of the Veterinary department at Mississippi State College, to 309 Wateree road, Columbia, S. C. I should appreciate your sending THE INDUSTRIALIST to my present address."

"I took my appointment to the army post here, Ft. Jackson, August 18 and am serving under the commission of first lieutenant in the Veterinary corps. My wife (Gwendolyn Romine, I. J. '40) and I are living in Columbia. It may interest you to know that Bill Dieterich, '39, is stationed with the Veterinary corps at the fort here also."

All the students of the Department of Milling Industry graduating last semester have now obtained jobs.

William Ball, Oswego, is with the Washburn-Crosby mills in Kansas City, Mo., as secretary to the superintendent and draftsman.

George Fittell, Beloit, will be at the Chicago office of the Hartford Fire Insurance company for two months as fire insurance inspector. He will then be transferred to the Dakota territory. Paul L. Mann, who was acting head of the Milling department at Kansas State College in 1922, is Mr. Fittell's employer. Mr. Mann is inspecting engineer for the Hartford Fire Insurance company in the mill and elevator department.

Russell Blessing, Emporia, is located at Kansas City, Mo., as an assistant chemist for the Kansas Flour mills.

John Geddis, Larned, who is finishing his college work by correspondence, is employed by the Washburn-Crosby mills in Chicago as secretary to the superintendent and draftsman.

LOOKING AROUND

KENNEY L. FORD

Expect Big '16 Reunion

Zane Fairchild, '16, writes: "If returns continue to come in as they have during the past two weeks, between 100 and 150 can be expected at the 25th reunion of the 1916 class. This is no surprise, though. The '16 class always did things that way!"

"More than one quarter of those on the class roll today, who were sent cards, have replied. Thirty members said that they'll surely be back; 27 others said they will make every effort to be there. These 57 will have nearly that additional number of wives, husbands and children along with them. And the cards have just started to come in. Replies have been sent from New York to California, from Idaho to Tennessee and from Texas to Ohio. They have come from 18 states in all.

"A program is being planned for Friday evening and Saturday of commencement week. An effort will be made to show the present generation how we used to do it in the days a few years ago."

MARRIAGES

McDANIEL—COVEY

Edith McDaniel, H. E. '36, and Paul R. Covey were married September 7. They are now at 201 Moss avenue, Peoria, Ill.

JENKINS—SCHLAEGEL

The marriage of Lola Ann Jenkins to Francis N. Schlaegel, D. V. M. '40, was September 28. They live at Neosho, Mo., where Mr. Schlaegel is a practicing veterinarian.

CLAYWELL—CAMPBELL

Rosamond Claywell, H. E. '40, and Hugh B. Campbell, D. V. M. '38, were married September 15. They are living in Geneva, Ind., where Mr. Campbell is associated with his father in practice.

COWAN—RISINGER

Arlene Cowan and C. Allan Risinger, Ag. '39, were married October 11. They live in Ness City, as it is Mr. Risinger's headquarters as assistant rural rehabilitation supervisor, Farm Security administration.

TOOKER—WAGLER

Marguerite Tooker and Simon R. Wagler, E. E. '39, were married October 13. Mr. Wagler is a statistical analyst for Transcontinental and Western Air, Inc. They live at 4919 Main street, Kansas City, Mo.

DAWLEY—STEPHENSON

Hope Dawley, P. E. '29, and Dr. Harry M. Stephenson of Iola were married September 22 in the home of the bride's parents, Mr. and Mrs. F. A. Dawley, Manhattan. They will be at home in Iola where he is practicing.

PARSONS—PETERSON

Jocelyn Parsons, f. s., and Melvin R. Peterson, Ag. '40, were married September 29. They are living at Columbus, Ohio. Mr. Peterson is doing work on a master's degree in the Horticulture department, Ohio State university.

McCOMB—KELLEY

William F. Pickett, head of the Department of Horticulture, has received an announcement of the marriage of Mary Jane McComb, Landscape Design '37, to Charles Otis Kelley on September 3. They are at home at 433 North Terrace drive, Wichita.

BENEDICK—HORSEMAN

The marriage of Lottie Nevella Benedick, H. E. '29, to Dr. Russell Keaton Horseman took place September 28. Doctor Horseman has been assigned to one year's active service in the medical corps of the United States army at Ft. Benjamin Harrison, Ind.

McINTOSH—DENDURENT

Lucille McIntosh, G. S. '40, and M. S. Dendurent, M. S. '39, were married September 1 in the Methodist church at Palmer. The Dendurents make their home at 427 Highland avenue, South Charleston, W. Va., where Mr. Dendurent is employed as a research chemist with the Westvaco Chlorine Products corporation.

MITCHELL—HOAG

The marriage of Marjorie Mitchell to Marshall K. Hoag, R. C. '26, took

place August 31. The bride is a former student of Washburn college and a member of Zeta Tau Alpha sorority. She has been employed in the state house for the past few months. Mr. Hoag, also a graduate of the Kansas University School of Law, has a private law practice at Pleasanton, where the couple will live.

VICKBURG—LUKENS

Helen L. Vickburg, G. S. '35, and Robert W. Lukens, Ag. '33, were married July 15. For the past five years, Mrs. Lukens taught English and sciences in the Talmage and Beverly high schools. For two years after graduation, Mr. Lukens was employed in Jewell, Russell and Reno counties as resettlement adviser. Since that time he has operated a farm southwest of Beloit. The couple is now at home at Linn, where Mr. Lukens is employed as teacher of vocational agriculture in the high school.

SHELLENBERGER—SCHLIFFKE

The marriage of Marjorie Jean Shellenberger and Earl Schliffke, both of Kansas City, took place August 10. The bride is a member of Delta Delta Delta sorority and Theta Sigma Phi, women's journalism fraternity. She has been working with the advertising department of Emery, Bird, Thayer in Kansas City. Mr. Schliffke was graduated from Iowa State college and is a member of Phi Gamma Delta fraternity. He is industrial engineer for Procter and Gamble company. They live at 4527 Main street, Kansas City, Mo.

DEATHS

HAYNES

Benjamin F. Haynes, B. S. '02, died March 4. For the past 40 years he had farmed in Boise valley, Boise, Idaho. He is survived by his widow, two sons and two daughters.

BERRY

Manhattan lost a prominent business man and an outstanding civic leader when James W. Berry, B. S. '83, died March 21 from heart disease.

Although Mr. Berry had been in failing health since 1937, he had worked at his office at the Golden Belt Lumber company at 231 Pierre and had taken an active part in affairs of the community. He had been president of the Golden Belt Lumber company since it was organized in 1921. He was a contractor and a builder, having constructed many early-day residences in central Kansas and numerous public buildings for various county and state institutions, including Kansas State College. He was appointed to the State Board of Regents in 1903 and served a number of years. He had been a member of the Alumni Advisory board and the stadium committee of Kansas State College.

He was a 32nd-degree Mason and a member of the Chamber of Commerce, having served as president of that organization. He was an active member in the Presbyterian church, having served on the church board of trustees for many years.

Survivors include the widow, Hattie (Peck) Berry, '84, and seven children, Arthur J. Berry, Portland, Ore.; Albert Berry, '12, Kensington; Lucile (Berry) Wolfe, '13, and Mildred (Berry) Swingle, '20, both of Manhattan; Lynn N. Berry, '33, Ellsworth; Lenore (Berry) Bennett, '24, Washington, D. C.; and T. M. Berry, '25, Schenectady, N. Y. One brother, nine grandchildren and one great grandchild also survive.

RECENT HAPPENINGS ON THE HILL

Overalls and calico aprons reigned at the Ionian and Hamilton calico ball last week-end. Gingham dogs, calico cats and balloons served as decorative notes in the dance of the two literary societies.

Plans for the Varsity fair, which was to have been held later this month, will not be completed. Herbert Hollinger, Chapman, president of Sigma Delta Chi, professional journalism organization and sponsor of the fair, said this week that it would not be held.

As soon as classes are over tomorrow, Kansas State College students will be heading for the home town. Easter vacation officially begins at 6 p. m. tomorrow and will end Monday at 6 p. m. Classes will begin Tuesday and will end with the semester finals in May.

New president of Alpha Mu, honorary organization for milling students, is Don Fleming, Ottawa. Other officers elected last week are Donald Dubois, Burlingame, vice-president; Edward Mayo, Indianapolis, Ind., secretary-treasurer, and Ralph Kueker, Belleville, corresponding secretary.

Spring fashions was the theme of last Friday's Kansas State Collegian. In this spring fashion issue, the latest things in both men's and women's clothing were presented. Several pictures of students modeling the spring styles that will be seen on American college campuses this year were published.

Only 100 more pages of the Royal Purple remain to be sent to the printers, according to the last report of Editor Don Makins, Abilene. The last deadline for copy is April 15. The first section of the yearbook is being printed now by the Capper Printing company in Topeka. There will be 3,735 books printed.

BIRTHS

Eleanor (Weller) Moon, M. Ed. '36, and her husband, James Earl Moon, f. s., have named their daughter, born February 9, Wanda Marie. The Moons live at 229 North Boyleson, Apartment 104, Los Angeles, Calif. Mrs. Moon formerly taught music at Greenleaf, Kan.

Janet Helen is the name chosen by Beatrice (Lasswell) Pine, '39, and Wilfred H. Pine, Ag. '34, M. S. '38, for their daughter born March 4. They live at 1723 Leavenworth. Mr. Pine is an assistant professor in the College's Department of Economics and Sociology.

Judith Ann is the name chosen by Lieut. and Mrs. Gerald Ingraham, Ft. Knox, Ky., for their daughter born February 10. Mr. Ingraham, M. I. '40, formerly was employed by Joseph E. Seagram and Sons at Louisville, Ky.

Charles A. Patterson, Ag. '38, M. S. '38, and Lora (Neudeck) Patterson, '38, are the parents of a son, Charles Stephen, born February 11 at the St. Mary hospital in Manhattan. Mr. and Mrs. Patterson live at 615 North Juliette. He is assistant statistician with the Agricultural Adjustment administration.

KANSAS STATE COLLEGE RECORDINGS

"Alma Mater" and "Wildcat Victory" by the Kansas State College Men's chorus and

"Roll on, Kansas State" and "Shoulder to Shoulder" by the College band

All four of the above songs so dear to Kansas State College students and alumni recorded on one standard phonograph record will be mailed anywhere in the United States for \$1 each. Alumni in foreign countries should add the necessary additional postage.

If you wish one of these records for your home or alumni meeting, fill out the following order blank and mail to the Kansas State College Alumni association, Manhattan.

- ☐ Inclosed find \$1 for one K. S. C. recording.
- ☐ Inclosed find 15c for one printed copy of "Wildcat Victory."

Name

Address

HALF OF ELIGIBLE MEN SEEK MORE R. O. T. C.

APPROXIMATELY 225 APPLY FOR
ADVANCED TRAINING

Applicants Selected Will Sign Contracts
and Be Given Deferment
by Their Draft
Boards

More than half of the 414 eligible sophomore men have applied for enrollment in the advanced Reserve Officers' Training corps, according to Lieut.-Col. J. K. Campbell, head of the Department of Military Science and Tactics.

Approximately 225 men in their second year of basic R. O. T. C. have voiced a preference to complete their college course and defer military training under the Selective Service act. Students applying must sign a contract to that effect before the close of the present school year.

MAY INCREASE QUOTA

Kansas State College this year had an allotment of 100 men to fill, 50 for infantry and 50 for coast artillery. However, the Military department has announced that they will ask the War department for a larger quota for next year.

Sophomore men in their second year of basic R. O. T. C. training who want to complete their college course and defer military training under the Selective Service act need only to be accepted in the advanced R. O. T. C. unit and sign a contract to that effect before the close of the present school year. This applies only to students who are taking their second year of basic R. O. T. C. training.

Having applied for enrollment, the student must be approved, after taking a physical examination, sign a contract and notify his local draft board of his change in classification. Lieutenant-Colonel Campbell added that the Military department will be able to take care of only a limited number of applications.

PLACED IN DEFERRED CLASS

College men enrolled in an advanced R. O. T. C. course and those students who have completed two years' basic training and whose applications have been approved for the advanced R. O. T. C. course have been placed in Class IV-B, according to a bulletin issued recently by the Bureau of Public Relations of the War department. This classification contains men whose deferment is described by law or who for other reasons are not considered available for selective service.

College men who are now taking their first year of advanced R. O. T. C. will be permitted to finish their training next year and receive commissions, provided they meet all requirements. Upon completion of the advanced course the cadets will receive their commissions and become second lieutenants in the United States Army Reserve corps. To be eligible for a commission the men must (1) have completed the advanced R. O. T. C. course, (2) be 21 years of age and (3) have attended camp during a summer period. Those men who are not 21, but who have passed other qualifications, will receive certificates of their training.

ENCHILADAS PICKS OUT 26 FOR DANCING ORGANIZATION

Social Group Announces Names of Members
Chosen from Sororities

Twenty-six new members were selected last week for membership in Enchiladas, social dancing honorary organization. New actives included:

Alpha Delta Pi, Ruth Ramsay, Nortonville; Mary K. Brown, Kansas City, Mo., and Peggy McClymonds, Lincoln, Neb. Alpha Xi Delta, Dorothy Johnstone, Milford; Thelma Bell Muchow, Topeka, and Patricia Mae Perry, Chi Omega, Lucille Elmore, McCracken, Winifred Boomer, Kansas City; Nan Sperry, Overland Park, and Faye Elmore, McCracken. Clovia, Marjorie Simmons, Barnard; Adaline Poole, Manhattan, and Marguerite Stagg, Manhattan.

Delta Delta Delta, Margaret Mack, Manhattan; Nancy Williams, Topeka; Barbara Vandaveer, Hutchinson, and Jane Riddell, McPherson. Kappa Delta, Betty McLeod, Manhattan. Kappa Kappa Gamma, Mary Pauline Feder, El Dorado; Marjorie Benson, Sabetha, and Betty Glidden, Osborne. Pi Beta Phi, Patricia Townley, Abilene; Marty Alexander, Hutchinson, and Ruth Weigand, Topeka. Zeta Tau Alpha, Esther Dumler, Gorham; Jeanne Knisell, Overland Park, and Margaret McNeal, Edna.

To Play Texas, Duquesne

Texas and Duquesne universities are on Kansas State College's non-conference football schedule for 1942. The Wildcats will open with the Longhorns at Austin September 26, and meet Duquesne in a night game at Pittsburgh October 9. Kansas State College defeated Duquesne 12 to 0 in 1935 in the only game between the schools. Texas holds a 2 to 1 edge over K-State. The Longhorns won 46 to 0 in 1913 and 41 to 7 in 1927. The Wildcats chalked up a 13 to 3 victory in 1926.

NEED MOISTURE RESERVES FOR FEED CROP SUCCESS

Prof. R. I. Throckmorton Writes Bulletin Telling of Investigations Throughout State

Reserves of moisture in the soil before seeding are necessary for successful production of barley and the sorghums as well as wheat in the western counties, and for alfalfa production in all sections of the state excepting where the crop is grown under irrigation. Summer fallowing is an effective moisture-storing practice for building up such reserves.

In a bulletin recently prepared for the Kansas Bankers' association, Prof. R. I. Throckmorton, head of the Department of Agronomy, wrote that fallowing is as important in the production of feed crops as in the production of wheat.

The average yield of milo at Hays from 1914 to 1937 was 15.9 bushels per acre on cropped land and 33.3 bushels per acre on fallow, the agronomist reports. At Garden City from 1921 to 1937, milo produced an average yield of 13.3 bushels of grain on cropped land and 30.7 on fallow. At Colby, the average yield of milo per acre was 10.4 bushels on cropped land and 22.2 bushels on fallow. Milo crop failures were only about one-half as frequent on the fallow as on the cropped land. Similar results have been obtained with Kafir at the three stations.

The need for moisture reserves for alfalfa production is illustrated by the fact that at Manhattan alfalfa extracted all of the available moisture from the soil to a depth of 20 feet in four years' time. This means that when alfalfa is seeded on soil that is wet to a depth of only a few feet, the plants will deplete the moisture within one year and thereafter will be dependent upon annual rainfall, with the result that low yields will be obtained and the stand will soon be destroyed.

"Alfalfa responds profitably to fallowing in most sections of the state," Professor Throckmorton said. "It is, in general, only through fallowing that moisture reserves may be stored in the soil for the use of plants during periods of drought."

Prevention of weed growth is a primary principle of successful summer fallowing, the agronomist explained. The first tillage for fallow should be performed in the spring at the time weed growth starts, and fallow land must be cultivated sufficiently throughout the summer to prevent weed growth. Tillage operations during the summer should be with a type of implement that will leave the soil rough and cloddy to aid moisture penetration.

Spring Basketball Practice

Jack Gardner, head basketball coach, announced spring practice for his cagers would get under way next Tuesday.

COLLEGE ENTOMOLOGIST WARNS OF CHINCH BUGS

DONALD A. WILBUR TELLS HOW
FARMERS MAY CHECK

Eastern Third of Kansas Reports Indicate Large Number of Insects Went into Winter Quarters

On the basis of fall surveys and more recent reports from county agents, the threat of chinch bugs may be worse this spring than for quite some time, warned Donald A. Wilbur, assistant entomologist at the Kansas Experiment station and assistant professor of entomology.

However, he pointed out that spring conditions might alter the entire picture if they are unfavorable to the bugs.

FARMERS SHOULD CHECK

Professor Wilbur warned that farmers in the eastern third of Kansas should check on their farms this spring for the presence of chinch bugs because of the large number that went into winter quarters.

The most likely place to look for chinch bugs is in the clumps of bunch grasses, particularly little bluestem, growing along fence rows, roadsides, slopes of ravines and especially those which are reasonably close to sorghum or corn fields in which they were working last summer, Professor Wilbur said.

HOW TO DETECT BUGS

An easy way to check for the presence of chinch bugs is to carefully pull clumps of bunch grasses from areas near fields that were infested last fall, break up the clumps and shake out the chinch bugs so that they can be counted, he said. Dead chinch bugs differ from live ones in that their legs are wide-spread, while the legs of live bugs are tucked closely under their bodies.

If more than 10 live chinch bugs per small clump are found in several places it should serve as a warning of a possible infestation of the wheat, barley and oats later in the season, Professor Wilbur said.

Tests have shown that burning the bunch grasses destroys chinch bugs chiefly by removing their protective covering and, contrary to common belief, the burning in itself actually destroys few bugs, since the flame passes quickly, with most of the heat going upward, Professor Wilbur explained. The chinch bugs are close to the ground and for the most part are uninjured. Burning in the spring, therefore, is not recommended by college experts.

Farmers interested in protecting their grain from chinch bugs, Mr. Wilbur said, will find the most effective means of protection of corn and sorghums is to have these fields adjoining alfalfa, sweet clover or flax which are not subjected to chinch bug attack.

When corn and sorghums are bordered by grain crops the construction of chinch-bug barriers may be required, he advised.

Cereal Chemists Meet

Approximately 125 members of the American Association of Cereal Chemists attended the tri-sectional meeting here Friday and Saturday. The sections of the association included Kansas City, Nebraska and the Pioneer section. A lecture and demonstration of the various methods of vitamin analysis were presented by Dr. W. J. Peterson, assistant chemist of the Experiment station.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Saving is going on constantly, and the resources that are saved are put to uses that will insure a flow of consumable goods at future times."

The maintenance of existing standards of living is dependent upon saving. In saving, people refrain from using all of their productive resources to obtain goods and services that are immediately consumable, and devote a part of these resources to the production of goods that are not immediately available for the satisfaction of the wants of men. These goods that are not immediately available for the satisfaction of wants are used in further production. They are capital goods such as factories, machines, productive livestock and all other tools and equipment used in modern production.

If saving were to stop, these cap-

ital goods would not be brought into existence, and those now in use would wear out and not be replaced or improved. In time, the ability to produce would be lowered and the quantity of goods available to maintain standards of living would decrease with a lowering of these standards. Saving is going on constantly, and the resources that are saved are put to uses that will insure a flow of consumable goods at future times. This saving and the productive use of a portion of our resources are essential if the required quantities of goods and services are to be available to maintain and improve the standards of living of the future.

Postpone Baseball Games

The initial baseball games of the season, to have been played with the University of Kansas Jayhawkers at Lawrence Monday and Tuesday, were postponed after several days of rain.

AMERICANS UNAPPRECIATIVE OF LIBERTIES, SAYS BAUDE

French Medical Officer Discusses European Situation at Journalism Lecture and High School Talk

Americans don't know how good it is to be on the right side of the Statue of Liberty, Dr. Andre Baude, French medical officer, told his audience last week in the Manhattan high school auditorium.

Approximately 350 persons heard Doctor Baude, who was brought to Manhattan by Sigma Delta Chi, professional journalism fraternity, and the Manhattan Junior Chamber of Commerce. Doctor Baude also spoke at the journalism lecture Thursday afternoon.

He said, "You don't realize or appreciate the liberty you Americans have. Your country is the most wonderful in the world. Keep it that way."

Doctor Baude was among those trapped at Dunkerque when the Germans invaded France. He told of escaping twice from German custody. He finally was able to obtain passage to the United States on a ship, after reaching Portugal by way of Africa. Doctor Baude was able to come to America because his wife was a native of the United States. Her family home is at Independence, Kan.

In excellent English he explained that the French lost the war May 12 and 13 when the Germans broke through at Sedan. Telling of his personal experience during bombings, he said, "If the Germans see something suspicious they bomb it; if they don't see anything suspicious, they think the French are just hiding and bomb it anyway."

Doctor Baude declared that if Hitler had been able to land the Germans in England in July, he might have won the war. The reason, he added, is because the British had almost no equipment at that time. Equipment was left on the shore of France to make room for the men escaping from Dunkerque.

As to the possibility of the French and British fighting each other, Doctor Baude said, "If I read that Britain and France have declared war against each other, I won't believe it."

SUMMER FALLOW DISCUSSED IN AG STATION BULLETIN

Prof. R. I. Throckmorton and Dr. H. E. Myers Are Authors of New Publication

Summer fallow, a moisture conservation practice essential to crop production in western Kansas, is discussed in a recent publication of the Kansas Agricultural Experiment station.

The bulletin, "Summer Fallow in Kansas," was written by R. I. Throckmorton, head of the Department of Agronomy, and Dr. H. E. Myers, associate professor of agronomy at Kansas State College.

"The yield of wheat in western Kansas is influenced materially by the amount of moisture in the soil at the time the crop is seeded in the fall," the authors state in pointing out the necessity of summer fallowing, or storing a part of the rainfall in the soil for the use of crops the following year.

Because of atmospheric conditions in western Kansas—high temperatures and low humidity—the amount of moisture required to produce a pound of dry plant matter in western Kansas is higher than that required to produce a pound of similar dry plant matter in eastern Kansas, the authors state in calling attention to the necessity of fallow in western Kansas.

In a test conducted at the Garden City branch of the Agricultural Experiment station, wheat cropped continuously for 27 years has failed to produce yields of more than five bushels per acre in 17 years, while wheat on fallowed land has failed only eight years, the bulletin states.

Methods of fallowing for production of sorghums, oats, corn and barley also are discussed, in addition to a discussion of the influence of fallow on soil fertility losses, contour tillage of fallow and other related topics.

BACKFIELD SHOWS SPEED WITH PROMISING FROSH

COACH ADAMS SAYS NEW PLAYERS
MAY OUST SOME VETERANS

Mike Zeleznak and John Bortka, Kansas City; Ronald Conrad, Clay Center; Earl Williams, Dodge City, and Ned Rokey Star

The Kansas State 1941 backfield is expected to show more speed and power, thanks to freshmen who are giving the veterans mighty tough battles for their jobs.

Improvement of the yearling backs has been one of the more pleasing features of spring football drills to Coach Hobbs Adams. The freshmen are eager to play, and several appear versatile enough that if they can't oust a veteran at one position, they may do it at another.

ZELEZNAK MAKES BID

Mike Zeleznak, Kansas City, former Ward high school athlete, is making a strong bid for the quarterback assignment. A shifty runner, he may develop into the passer Coach Adams has been trying to uncover since spring practice began. Another freshman passing prospect is Ronald Conrad, Clay Center. Bill Quick, Beloit, and Lewis Turner, El Dorado, are returning "K" men who must work hard to keep their jobs.

John Bortka of Kansas City, former Wyandotte high school star, is the leading candidate to fill the right halfback spot vacated by Chris Langvardt, last year's captain. Larry Kaminski, another former Wyandotte high athlete, is offering Bortka plenty of competition. Because of his speed and passing ability, Kaminski will be used some at quarterback.

Ned Rokey, Sabetha, and Earl Williams, Dodge City, are the yearlings pushing letter man Max Timmons, Eureka, and Junior Erickson, Neodesha, for the blocking back job. Williams, a field-goal kicker and a sturdy blocker, also has been used at fullback.

LETTER MAN IMPROVES

Encouraging has been the improvement of letter man Lysle Wilkins, Delphos, at fullback. The tall, wiry lad has served notice he intends to be the regular fullback in spite of formidable freshman competition and the fact that Kent Duwe, now out for track, will be working at that spot next fall. Leading freshman candidates are Bill Cochrane, Salina, and Lee Jones, Pretty Prairie. Jones can pass, run and kick and may be tried at the quarterback spot before spring practice ends.

In Saturday's intrasquad battle between the Whites, the Wildcat reserves, and the Golds, made up of regulars and "K" men, the Golds won their third successive game since spring practice started, 9-0.

GWIN SCORES GOLD TOUCHDOWN

Francis Gwin, diminutive quarterback from Leoti, made the only Gold touchdown of the game when he plunged over from the one-yard line after the regulars had driven the ball from the White 38-yard line. Lee Jones, Pretty Prairie, a freshman back playing with the regulars, kicked the extra point.

The Golds scored once more in the second period when a White kick from behind their own goal line was blocked by regulars for a safety.

GOLF AND TENNIS SQUADS TO OPEN SEASON TOMORROW

Wildcats Will Meet Washburn College Here in Initial Clashes

Kansas State College's golf and tennis teams will open their spring schedules here Thursday afternoon against teams from Washburn college of Topeka.

Arlin Ward, Manhattan; Hall Milliard, Manhattan; Dick Gorman, Hartford, Conn., and Willard Monahan, Leavenworth, will form Coach M. F. Ahearn's golf team. Ward and Gorman are letter men, Milliard and Monahan are sophomores. Jim Paus-tian, Manhattan, a letter man, and Walter Keith, Manhattan, a squad man, are alternates.

Coach C. S. Moll's tennis team includes two letter men—Jack Horacek of Topeka, and Eldon Sechler, Hutchinson. Four sophomores, freshman numeral winners last spring, are battling for the two remaining positions. They are Vernon Plattner, Coffeyville; Henry Bender, Topeka; Gerald Klema, Wilson, and Henry Lau, Arkansas City.

PHI ALPHA MU HIGHEST ON SCHOLARSHIP ROLLS

GENERAL SCIENCE ORGANIZATION
RETAINS FIRST PLACE

Pi Beta Phi Heads List of Sororities,
and Farm House Is Ahead on
Ratings of Greek
Organizations

Phi Alpha Mu, honorary general science society, has the highest scholarship of all organizations at Kansas State College during the first semester of the 1940-41 academic year, according to an announcement last week by Miss Jessie McDowell Machir, registrar. The group's scholarship average was 2.764. Phi Alpha Mu has headed the list since the second semester of the 1934-35 school year.

Second in the entire list was Omicron Nu, honorary home economics organization, with an average of 2.589. Mortar Board, honorary senior women's organization, was third with an average of 2.453.

FARM HOUSE LEADS GREEKS

Pi Beta Phi headed the list of sorority scholarship ratings with an average of 1.672. Farm House fraternity ranked first in the men's social organizations with an average of 1.891.

The list of social organizations and their grade averages follows:

Sororities—Pi Beta Phi, 1.672; Alpha Xi Delta, 1.529; Kappa Kappa Gamma, 1.506; Chi Omega, 1.492; Alpha Delta Pi, 1.426; Delta Delta Delta, 1.422; Zeta Tau Alpha, 1.408; Clovia, 1.395; Kappa Delta, 1.021.

Fraternities—Farm House, 1.891; Alpha Kappa Lambda, 1.649; Delta Sigma Phi, 1.555; Alpha Gamma Rho, 1.475; Tau Kappa Epsilon, 1.396; Pi Kappa Alpha, 1.358; Kappa Sigma, 1.272; Sigma Phi Epsilon, 1.226; Acacia, 1.1641; Beta Kappa, 1.152; Sigma Nu, 1.146; Sigma Alpha Epsilon, 1.052; Phi Kappa Tau, .949; Delta Tau Delta, .917; Phi Delta Theta, .896; Alpha Tau Omega, .889; Beta Theta Pi, .876; Phi Kappa, .830; Theta Xi, .693.

OMICRON NU IS SECOND

The entire list of organizations according to their rank, including sororities and fraternities, follows:

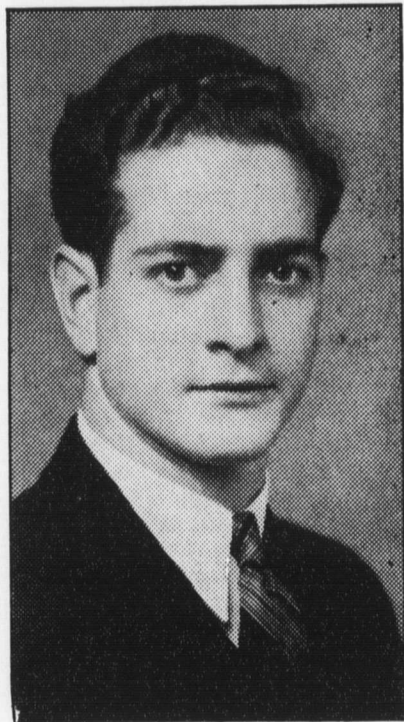
Phi Alpha Mu, 2.764; Omicron Nu, 2.589; Mortar Board, 2.453; Dynamis, 2.207; Quill club, 2.206; Alpha Zeta, 2.122; Athenian, 2.093; Theta Sigma Phi, 2.040; Alpha Mu, 1.949; Mu Phi Epsilon, 1.912; Klod and Kernel, 1.895; Farm House, 1.891; Pi Kappa Delta, 1.825; Ionian, 1.769; Sigma Tau, 1.759; Pi Beta Phi, 1.672; Alpha Kappa Lambda, 1.649; Browning, 1.642; Delta Sigma Phi, 1.555; Alpha Xi Delta, 1.529; American Society of Mechanical Engineers, 1.526; Block and Bridle, 1.520; Kappa Kappa Gamma, 1.506; Chi Omega, 1.492; Sigma Delta Chi, 1.484; Alpha Gamma Rho, 1.475; Phi Epsilon Kappa, 1.427; Alpha Delta Pi, 1.426; Delta Delta Delta, 1.422; Zeta Tau Alpha, 1.408; Tau Kappa Epsilon, 1.396; Clovia, 1.395; Pi Kappa Alpha, 1.358; American Road Builders' association, 1.356; K fraternity, 1.339; Alpha Kappa Psi, 1.336.

Kappa Sigma, 1.272; Dairy club, 1.266; American Society of Civil Engineers, 1.237; Sigma Phi Epsilon, 1.226; American Institute of Electrical Engineers, 1.1644; Acacia, 1.1641; Beta Kappa, 1.152; Sigma Nu, 1.146; Sigma Alpha Epsilon, 1.052; Kappa Delta, 1.021; American Society of Agricultural Engineers, .977; Scabbard and Blade, .952; Phi Kappa Tau, .949; Delta Tau Delta, .917; Phi Delta Theta, .896; Alpha Tau Omega, .889; Beta Theta Pi, .876; Phi Kappa, .830; Theta Xi, .693; Hamilton, .622.

Go to Kansas City

Members of classes in Principles of Cooperation and Marketing of Farm Products made a field trip to Kansas City Monday. While in Kansas City the group visited the livestock exchange, the grain exchange, the Consumers' Cooperative association and the Midwest Wool Marketing association.

Council President



LARRY SPEAR

LARRY SPEAR IS SELECTED HEAD OF NEXT YEAR'S SGA

Engineering and Architecture Division
Representative Named
by New Council

Larry Spear, Mission, has been chosen president of the Student Governing association by the new Student Council. Spear is an Independent from the Division of Engineering and Architecture.

Vice-president of the SGA is Ray Rokey, Sabetha, one of the three Greek candidates to be elected to the council. Dorothy Beezley, Independent representative of the Division of Home Economics, is recording secretary. Donald Moss, Miltonvale, Independent engineer, was chosen corresponding secretary, and Ralph Perry, Oskaloosa, Independent, general science, was elected treasurer.

These officers were chosen at a meeting of the new and old councils last week. This meeting was held as one of the two that the two councils will have together. By the SGA constitution, they are required to meet two times before the new council takes over its duties.

New members of the Board of Publications will assume their positions sometime this spring. The two Independent and one Greek candidates elected to the board are Martha Payne, Gordon West and Kenneth Hamlin, all of Manhattan.

ENGLISH TEACHERS PLAN 'SPEECHLESS' CONFERENCE

Roundtable Discussions Will Replace
Set Papers at Meetings Here
This Week-end

A "speechless conference" comprises the program of the 25th annual Kansas College English Teachers' conference, which will be here this week-end. Roundtable topics, such as "We Foster Illiteracy," "Modern Grammar" and "The Onrush of the Contemporary," will take the place of speeches.

The two-day meeting will begin Friday at 2:30 p. m. in Kedzie hall and continue through Saturday. Approximately 100 college teachers of English representing many of the 40 Kansas colleges are expected to attend, said Prof. H. W. Davis, head of the Department of English and conference chairman.

At 2:30 p. m. Friday, Miss Nellie Aberle of Kansas State College will preside at a discussion of English proficiency tests for college students. At 9:30 a. m. Saturday, Dr. Samuel A. Nock, vice-president of Kansas State College, will preside over a discussion entitled, "We Foster Illiteracy."

The annual banquet of the English teachers will be at the Manhattan Country club at 6:30 o'clock Friday evening.

COMMENCEMENT WILL BEGIN WITH ALUMNI DAY, MAY 24

13 CLASSES PLANNING REUNIONS
FOR THIS YEAR

Luncheon at Noon and Banquet at Night
Highlight Saturday's Program, While
Graduation Will Be Monday
in Memorial Stadium

Announcement of commencement activities on May 24, 25 and 26 was made today by Kenney L. Ford, College Alumni association secretary.

Thirteen classes will hold reunions on Alumni day, May 24. All classes since '76 with "6" or "1" as the last number in their graduation year will have luncheons Saturday noon, May 24. All alumni will register in Recreation Center from 10 a. m. to noon Saturday.

BANQUET SATURDAY NIGHT

At 2 p. m. an alumni business meeting will be in Recreation Center. Saturday's activities will come to a climax at 6 p. m. with the Alumni-Senior banquet in Nichols Gymnasium.

Sunday's program includes the commencement recital in the Auditorium at 4 p. m. At 7:10 p. m. the academic procession to Memorial Stadium will begin, and at 7:30 the baccalaureate services will start. Dr. George G. Stoddard, dean of Graduate college, State University of Iowa, Iowa City, will give the baccalaureate sermon.

GRADUATION IN STADIUM

The Alumni-Senior reception in the President's home from 3 to 4:30 p. m. will start Monday's activities. The academic procession to the Stadium will begin again at 7:10 p. m. Capping the three-day alumni-senior activities will be the graduation exercises in Memorial Stadium at 7:30 p. m. Monday. At the last senior walks across the stage with his diploma, the 1941 commencement program will end.

Operative Millers Meet

Approximately 100 members of the Association of Operative Millers from Districts Nos. 1 and 2 met on the College campus last Saturday for their 16th annual joint meeting. The program, arranged by Dr. E. G. Bayfield, head of the Department of Milling Industry, was presented by members of the departmental faculty and members of the association.

Recent Legislation Affecting the College

The Kansas Legislature at the regular session of 1941 appropriated a total of \$2,467,400 for the support of the College, including the branch experiment stations and the Extension service, during the biennium beginning July 1, 1941. For the branch experiment stations, the appropriations amount to \$125,000. The \$2,342,400 appropriated for the College, including the Extension service, is \$237,000 more than the corresponding appropriation of 1939.

The 1941 appropriation includes \$30,000 for three home management houses, \$50,000 for a small animal laboratory building, \$19,500 as indemnity for losses resulting from the fire that occurred on March 15 and \$30,000 for a Works Progress administration approved project to construct a military science building to cost \$125,000.

While the total appropriation is substantially larger than that made in 1939, the appropriation for maintenance, repairs and improvements is \$10,000 a year less than was appropriated for this item two years ago. This fact, together with the fact that the faculty and the student enrolment are larger while the general institutional financial balance is much less than it was two years ago, makes it necessary to deplete extensively the departmental financial balances.

In addition to the appropriation

1941 COMMENCEMENT CALENDAR

Class Reunions

'76	'11
'81	'16
'86	'21
'91	'26
'96	'31
'01	'36
'06	

SATURDAY, MAY 24

Alumni Day

10-12 a. m. Alumni registration, Recreation Center.
12 noon. Class luncheons.
2 p. m. Alumni business meeting, Recreation Center.
6 p. m. Alumni-Senior banquet, Nichols Gymnasium.

SUNDAY, MAY 25

4 p. m. Commencement recital, Auditorium.
7:10 p. m. Academic procession.
7:30 p. m. Baccalaureate services, Memorial stadium.
Sermon by Dr. George D. Stoddard, dean of Graduate College, State University of Iowa, Iowa City.

MONDAY, MAY 26

3-4:30 p. m. Alumni-Senior reception, President's residence.
7:10 p. m. Academic procession.
7:30 p. m. Graduation exercises, Memorial Stadium.

Graduate Writes on Diets

Miss Grace Mary Gustafson, H. E. '38, is co-author with Miss Aubyn Chinn of "The Economy of Combinations of Dairy Products in Low-cost Adequate Diets" which has been published in the February issue of the Journal of the American Dietetic Association. The article reports the results of a demonstration study in which the diets of 12 low-income families of Chicago were analyzed. The authors found that with supplements of fluid and concentrated milk and a wiser choice of other foods, these diets could be made adequate in all food nutrients without exceeding the cost of 11 cents per adult meal, which was the average of food costs to these families at the time the study began.

HOSPITALITY PROGRAMS ATTRACT 3,550 VISITORS

STUDENTS AND TEACHERS FROM
117 HIGH SCHOOLS HERE

New Record Number of Institutions
Sends Representatives to Attend Annual
Division of Home Economics
Two-day Show

Students and teachers from 117 Kansas high schools visited Hospitality days exhibits last week-end, according to Virginia Siebert, Pretty Prairie, registration chairman.

A total of 3,550 people, including Kansas club women, Manhattan townspeople and college students inspected the exhibits. Of this number 1,700 were high school girls.

WAMEGO SENDS MOST GIRLS

Although total attendance dropped from last year's 3,733, the high schools registered increased from 101 last year, and number of high school girls attending showed an increase over last year's 1,618.

Wamego had the largest representation with 60 girls; Chapman was second with 46 and Highland Park high school at Topeka third with 43.

High scorer in the judging contest offered for high school visitors was Miriam Colyer, Saffordville. In the written quizzes the winner was Reva Jennings, Morrowville.

INA PALMER WINS AWARD

The program for the two days included assemblies, teas and a luncheon given in honor of the high school students. The annual all-division banquet for students in home economics opened activities Thursday night. Hospitality hop closed the affair on Saturday evening.

Honored at the banquet was Ina Palmer, Sabetha, who received the annual \$10 freshman Omicron Nu award. Her name will be engraved on a loving cup in Dean Margaret Justin's office. Dorothy Green, Wichita, was chosen an outstanding senior woman in home economics activities and as holder of the high scholarship record for four years. Helen Marshall, Wheaton, Ill., was honored for high scholarship for her last two years of work.

ALL DEPARTMENTS INCLUDED

Exhibits represented work done in all departments in the Division of Home Economics. Modern household furnishing was contrasted with old-style equipment to show the advances made in that field in recent years. Students demonstrated various methods of food preparation and made suggestions for meal planning with use of vitamin-enriched foods.

Projects carried out in classes in art, clothing, food economics and nutrition and child welfare were displayed. Improvement of family living by means of good music, furniture arrangement and lighting was stressed.

MRS. AVIS CARLSON, WICHITA, SPEAKS AT MATRIX BANQUET

Theta Sigma Phi, Honorary and Professional Journalism Group, Is Sponsor

Mrs. Avis Carlson, magazine writer from Wichita, spoke before 125 women at the annual Matrix Table dinner at the Manhattan Country club Tuesday night on "Doors for Women Journalists." The dinner was sponsored by Theta Sigma Phi, honorary and professional organization for women journalists.

Mrs. Carlson has received wide recognition for articles which have appeared in such magazines as Harpers, Atlantic Monthly, Forum and Coronet. She was introduced by Jennie Marie Madsen, Dwight, president of Theta Sigma Phi and toastmistress for the evening.

Prominent Kansas newspaper women, Manhattan women, faculty members and outstanding students comprised those present. Miss Jane Rockwell, instructor in journalism, is faculty sponsor and an associate member of the organization. Alumna adviser for Theta Sigma Phi is Mrs. R. I. Thackrey, wife of the head of the Department of Industrial Journalism and Printing.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKREY Editor
HILLIER KRIEGBAUM, RALPH LASHBROOK, JANE
ROCKWELL, PAUL L. DITTMORE Associate Editors
KENNEY FORD Alumni Editor

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Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

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Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in instalments. Membership in alumni association included.



WEDNESDAY, APRIL 23, 1941

THE COLLEGE AND NATIONAL DEFENSE

The land-grant colleges always have been agencies of national defense. Chartered by an act of Congress approved by President Lincoln on July 2, 1862, at about the darkest period of the Civil war, these colleges have never lost sight of their obligation to help to foster the industrial, agricultural, military and social fitness of the country to defend itself.

If the land-grant colleges made no changes at all in their normal activities—in research, in resident instruction and in extension—they still would contribute substantially to national defense. The trained engineers, chemists, bacteriologists, veterinarians, agriculturists, nutritionists and other scientific specialists that these colleges turn out are of incalculable value in defense. Each year in their normal activities the land-grant colleges turn out more than 5,000 reserve officers for the army and navy, and they provide basic military training to at least 50,000 additional men. The extension work in agriculture, home economics and rural engineering that these colleges perform is indispensable to effective national defense.

But, like the other land-grant colleges, Kansas State has not been content simply to continue in the usual way. It has intensified and expanded its contributions to the national defense. It has lent its dean of engineering to the federal government to serve as director of the national program of engineering defense training. In addition to its regular work in the training of men for engineering service, the College has set up five special courses in engineering defense training at the college level. In cooperation with the federal Civil Aeronautics administration, the College is operating two training courses for airplane pilots and is turning out about 100 pilots a year. Seven members of the College faculty are serving, one of them as chairman, on the state committee on nutrition in relation to national defense recently appointed by the governor. Various other faculty members are serving in other special capacities in defense activities. Twenty-eight faculty members are United States army reserve officers or national guard officers. Already eight of these have left the College to enter active military service. These are only a few instances of the College's special contributions to national defense activities.

By its nature, by its own tradition and by its preference, the College is an important factor in the national defense. Its regular work is its major contribution. Its special activities, begun within recent months, are an important additional contribution.

THOMAS E. WILL MEMORIAL HIGHWAY

On April 11, 1941, Florida highway number 26 was officially opened. In recognition of the prolonged, persistent work of Dr. Thomas E. Will in promoting this highway, the Florida legislature named it in his honor. At the opening a red, white and blue ribbon across the road was cut by "small but very composed Barbara Ann Will, granddaughter of the late Thomas E. Will who conceived the highway and spent the later years of his life advocating it."

Doctor Will died March 5, 1937.

Barbara is the daughter of Lawrence E. Will, Belle Glade, Fla.

Will highway is 22 feet wide and one of the best roads in Florida. "The grade is built of solid rock laid upon a solid underground rock foundation. All the material in the highway is of native rock except the bituminous surface." The road parallels the North New River canal and extends southeasterly from South Bay on Lake Okeechobee to highway 149, from which Ft. Lauderdale and Miami are readily reached. The distance from South Bay to Ft. Lauderdale is 67 miles, and to Miami 78.5 miles. The everglades region is thus given a very desirable outlet for tourists and growers of fruits and vegetables.

The exercises connected with the opening of the highway were held at Twenty-mile bend, west of Ft. Lauderdale, and at that point a granite shaft has been erected to the memory of Doctor Will. In view of the many years of labor given by him to the general development of the Everglades and to obtaining this road, the naming of the highway for him and the erection of the monument in his honor seem highly appropriate.

Thomas Elmer Will was president of Kansas State College from July 1, 1897, to June 30, 1899.—J. T. Willard.

MUSIC

Stratton Recital

From the beginning of the Franz Schubert "Sonata in A major, Op. 120," with all its melodious smoothness and simplicity, to the end of "Mephisto Waltz," the third of a group of dynamic, intricate, brilliant Franz Liszt numbers, Charles Stratton, assistant professor in the College Department of Music, was complete master of his program and his audience last Sunday afternoon at the Auditorium. Never before in his many appearances in Manhattan has Mr. Stratton been so easily powerful as a pianist.

Besides the Schubert sonata, Mr. Stratton did four Chopin numbers: "Valse in A flat major," "Etude in G sharp minor," "Nocturne in C minor" and "Ballade in F minor;" a modern group: Francis Poulenc's "Pastourelle (L'Eventail de Jeanne)" and Debussy's "Ballade" and "Danse;" and Franz Liszt's "Waldesrauschen" and "sur le 104e Sonnet de Petrarche" in addition to the closing "Mephisto Waltz."

The program was particularly wide in its appeal to lovers of piano music. Those who like mellow smoothness and simplicity found it in Schubert, those who ask for crystal clear, melodious brilliance found it in Chopin, those who sway emotionally to startling harmonies and surprise progressions found them in Poulenc and Debussy and those who thrill to the smooth execution of the terrifically intricate found that in the Liszt group.

The task of presenting such a program is one that few recitalists would impose upon themselves, but Mr. Stratton took up the burden and turned it into a delight for both himself and his listeners.

Perhaps a plurality in the audience enjoyed the Chopin most and perhaps the Chopin was the most delightfully done. But undoubtedly a considerable few, of which the writer was one, were most pleased by the super-brilliant Liszt numbers and the neatly interpreted unconventionalities of the modernists, Poulenc and Debussy.—H. W. D.

WARTIME GOLF RULES

A golf club near London has now a set of rules framed to meet current conditions.

"During gunfire or while bombs are falling," we read, "players may take cover without penalty for ceasing play."

Apparently, however, this rule is only for particular emergencies, for another permits "a player whose stroke is affected by the simultaneous explosion of a bomb or shell or by machine-gun fire to play another ball from the same place." This procedure involves a penalty of one stroke.

Full provision is made for all possibilities. "The positions of known delayed-action bombs are marked by red flags placed at a reasonably, but not guaranteed, safe distance," while "a ball moved by enemy action may be replaced as near as possible where it lay." For this, it seems, there is no penalty.—From Bulletins from Britain.

SCIENCE TODAY

By R. C. LANGFORD
Associate Professor of Psychology

How long will it take you to read this article? It will take the average college student two and a half minutes. A few can read it in a little less than one minute.

The question which immediately comes to mind is "Does the rapid reader comprehend as well as the slow reader?" Research shows that for easy reading material the rapid readers in general have better comprehension than slow readers. This relation does not hold, however, for difficult reading material such as mathematics and science.

Improvement in reading ability is an ever-present need. When we consider the amount of time we spend reading, we are forced to realize that for many of us, at least, reading is one of our most important skills. Accuracy of understanding is essential in much of the reading we do, and the rate of reading determines the amount of work we can get done or the amount of leisure time after the work is done.

Speed and accuracy of reading are the product of a number of factors. Among them should be mentioned the efficiency of vision, mental ability, background of experience and last, but certainly not least, the manner in which one has learned to read. It is the latter to which psychology has made a large contribution.

The older methods of teaching reading were quite logical. Words are composed of letters. That being the case, it was assumed that the alphabet should be taught first, then the words could be spelled out and so read. A second of the older methods is called "phonetic." By this method one learned to read by reading aloud.

Logical and psychological procedures often differ. In the case of learning to read, this suggestion was made 400 years ago by Comenius and again 100 years ago by our own great educator, Horace Mann. Both suggested that the beginning teaching of reading should be by words, not by letters.

It is strange that though people have read for centuries the true behavior of the eyes in doing so was not discovered until 1879. In that year the French scientist, Javal, by use of a mirror, noticed that the reading eye did not move smoothly along the line, but by a series of very rapid jumps and pauses. Some 20 years later the American psychologist, Dodge, devised a technique of photographing the reflection in the cornea of the eye of a spot of light. Dearborn and later many others have adapted a special kind of motion picture

photography to the recording of eye movements.

Literally miles of motion picture records have revealed many interesting and important facts about the behavior of the reading eye. Among them are:

The eye does not see during the shifts from pause to pause.

More than 90 percent of the time is spent in pauses or fixations.

A good adult reader averages 80 fixations per 100 words.

Regressive movements (from right to left) are much more frequent in poor than in good readers.

These facts coupled with the realization that almost all of our reading is silent emphasized the need for changed methods of teaching reading. It was discovered that many silent readers moved their lips or otherwise got the meaning from the printed matter by an "inner voice." They had been taught by reading aloud. This method of getting meaning is necessarily slow. Furthermore, since good readers average one fixation for each one and one-fourth word, children should be taught to read by the configuration of the word rather than by the letters composing it.

Recommended methods of teaching reading are rather complex. Emphasis is placed on recognition of words by their general contour rather than by the letters which compose them. However, the word method is not employed exclusively.

These considerations suggest that parents might do even a bright child a disfavor by teaching it to read before it starts to school. Unless they are acquainted with more effective methods of teaching, they may give it handicapping habits.

Remedial training for poor readers, whether child or adult, is receiving much attention from research workers at present. There are available now for diagnostic and remedial work such instruments as the Ophthalm-O-Graph which makes eye-movement records while the subject reads and the Metron-O-Scope for establishing better habits of eye-movement. However, aid for the inefficient reader is not dependent upon the use of such instruments. Many diagnostic tests of the paper and pencil sort are available, and some of the best procedures for improving reading speed and comprehension call for no apparatus whatever.

There is available a large amount of recent literature on improving reading speed and comprehension. The adult who wishes to improve by his own efforts can find many useable suggestions in such a book as Albert J. Harris' "How to Increase Reading Ability," published by Longmans, Green and company.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

A. E. Bate, '19, was with the United States Bureau of Animal Industry at Denver.

L. E. Woodman, '27, was with the Missouri Power and Light company at Jefferson City, in the position of sales engineer for the company.

Six women from the Manhattan chapter of the American Association of University Women attended the meeting of the organization at Independence. They were Dean Mary P. Van Zile, Mrs. Grace Varney, Mrs. C. O. Swanson, Miss Emma Hyde, Dr. Margaret Justin and Miss Myra Scott.

TWENTY YEARS AGO

Emma Stratton, '15, was head of the Department of Nutrition at the Iowa State Teachers' college, Cedar Falls.

W. P. Terrell, '04, was director of the Mechanical Arts division, Prairie View State Normal and Industrial college, Prairie View, Texas.

Dr. W. A. Hagan, '15, professor of veterinary pathology at Cornell university, was granted a leave of absence to spend a year at the Rockefeller institute as special research worker in animal diseases.

THIRTY YEARS AGO

Mrs. Mary P. Van Zile, dean of women, read a paper on the education of girls before the Chaldaean club of Topeka.

Edgar A. Allen, '87, who had been

in the Indian service for many years, was appointed superintendent of the Indian school at Chilocco, Okla.

O. E. Reed, assistant in dairying, went to Holton to judge the herd of R. J. Linscott, who had one of the largest and best-known herds in Kansas.

FORTY YEARS AGO

Prof. O. D. Otis returned from a visit to the University of Missouri at Columbia.

Miss Florence Corbett, '95, accepted a position with King's County hospital, Brooklyn.

Schuyler Nichols, '98, was graduated in medicine from the Barnes Medical college, St. Louis.

FIFTY YEARS AGO

J. G. Harbord, '86, took his examinations for a commission at Vancouver barracks, Washington.

W. T. Swingle, '90, received his commission as assistant in the pathological division of the United States Department of Agriculture and planned to leave Manhattan immediately for Washington.

M. A. Carleton, '87, professor of natural history in Garfield university, Wichita, was commissioned by the secretary of agriculture to gather notes on the distribution of plants and make collections in southern Kansas and the Indian territory for the national herbarium.

SIXTY YEARS AGO

Because of illness, Professor Popenoe was unable to act as Friday-afternoon lecturer. The hour was

occupied by President Fairchild, who lectured on "The Poet's Place."

Professor Ward delivered a lecture on cooperation before the Manhattan Grange.

At the regular meeting of the Webster society, R. K. Peck was initiated as a new member.

KANSAS POETRY

Robert Conover, Editor

SOCIETY EDITOR

By Caroline Cain Durkee

In school she wrote exhilarating prose With ease and grace; while any scratchy pen Or stubby bit of pencil that she chose Began at once to scribble poems when She touched it. Now, years later, all she writes Is local news about a little town: She stresses who, what, where and when; recites Details of decoration, food and gown. Sometimes she sighs above her daily stint, Not dreaming countless readers seek her page To find their names and doings there in print And clip them for a lasting heritage. Her notes of social life, simply expressed, Are pure Americana at its best!

Mrs. C. C. Durkee, formerly of Augusta and now of Kansas City, Kan., during the past year has written a number of poems, given several talks to a young people's group and written a one-act play, "Edda's Motto," used at eight fall and winter conferences by the Kansas District Girl Reserve clubs. Her three-act play on Columbus, "The Admiral Sails West," won a trophy in the World's Fair Hobby Olympics.

SUNFLOWERS

By H. W. Davis

SLOW WORK

The old, old graybeard with the sharp, sad eyes turned and said:

"Yes, you folks down there on earth might as well conclude that at last the forces of human liberty are definitely at war with the brigands of human regimentation in what looks to be a final do-or-die struggle. But it isn't? It's only the beginning of a long, tough fight."

"So what?" I grumbled.

"Well, for one thing," and he frowned, "you'd better decide what you are going to do about it. Individually and collectively, both."

"Here's the line-up. Take it or leave it. Great Britain, Yugo-Slavia and the two Americas under the lead of the United States seem to favor—in varying degrees—living in a world in which there's a bit of free play for everybody. France, the low countries, Finland, Sweden, Norway, and the Balkans would prefer that too, if they had a preference."

"The rest of the world favors the snap of totalitarian control and the sinking of individual liberty in a thing called 'the best interest of the state.'"

"Yes, that's more or less right," I said, "but what—"

"If human progress were not so pokey," he ignored me, smiling a bit sourly, "I'd say the next 10 years would settle the matter for all time. But you earth creatures are dull and dumb, and the next 10 years will only be the worst of it."

"Talk on, you old pessimist," I thought. "Get it out of your system."

"The immediate outlook for liberty is practically zero, I warn you. Liberty, merely because it is liberty, does not know how to handle the super-power you mortals have rigged up for yourselves since that practice war a quarter of a century ago. Super-power gives the totalitarian just what he wants and likes to use. Believe me, he knows how to handle it to get results."

"But don't let your children and grandchildren start worrying. By the time they get around to hurting too much the brigands will begin fighting among themselves and common folks can start scheming to get their rights back. All you have to do is make people see that power-gadgets are devils as well as gods. They usually are devils at first, even though scientists and engineers don't mean them to be."

"Yes, don't let your grandchildren despair," he snickered.

The old, old man from somewhere yawned, got up stiffly from the bench and tottered away up a long hill.

SUPPLEMENT TO THE KANSAS INDUSTRIALIST

April 23, 1941

WELCOME HOME HANGS OUT

THIRTEEN CLASSES
REUNION

Local Committees Will
for Commencement
Groups Graduation

The "Welcome Home" is out at Kansas State College, all alumni who return for commencement May 24, 25 and 26.

Returning alumni will find a beautiful campus, thank you for the spring rains. They will find a busy Poyntz avenue, defense activities at Fort Riley. Those who are planning to stay in the Wareham or Gillett hotels should send in reservations for room early as possible.

PLAN 13 CLASS REUNIONS
Local committees are planning for class reunions for the classes of '76, '81, '86, '91, '96, '01, '06, '11, '16, '21, '26, '31 and '36. The following letters are written by representatives of the various reunions:

CLASS OF '06
We are indebted to our classmates, Frank Waugh, Henry very and Clay Coburn, for the interest in having a reunion and spring at Kansas State. Through their efforts we shall have letters from all the living members of our class, with possibly one exception, and we are hopeful of seeing many of them here.

Those of you who have found it not possible to attend the previous reunions, can scarcely be at the pleasure which comes from seeing class fellows after the 35 years and from seeing the growth and beauty of College and campus. We are privileged to call on you.

As a native of Manhattan, I want to add my cordial wishes that all of you may this year share the prospective pleasure with us.

Respectfully,
B. Little.

CLASS OF '06

One spring 45 years ago, though it does not seem that long, most of us, the class of '96 grasped our diplomas and went out into the world to make their fortunes. Behold, we are four happy years, and we are the future.

It is spring again, and more other boys and girls are growing just as we did. Why not come to Kansas State? Forget the income tax, the price of wheat, the dark shadows that wrap around the world. For this little time, for one day in a long while are we able to turn back the pages to another time. Back to the time when "Case" was platted with the Strawberry Blonde, and a buggy ride was real sport. Upon back, and prove to the classes that followed us, that we were not so young.

Sue Strauss.

CLASS OF '11

Greetings from the me Guard, and a gentle reminder that time flies. The 40th anniversary of our graduation from the Kansas State College will be celebrated during commencement exercises May 24-26. At that time the members of our class in attendance will be honored. Briefly, the high points of our commencement program for the class, in laws and children are:

Saturday noon, a reunion luncheon at Thompson's (College cafeteria). At 2 p. m. alumni association business meeting in Recreation Center (Old Gym). At 6:15 p. m. alumni senior band in Nichols Gymnasium. There will be a special table for our class.

Sunday, 4 p. m., a cal concert in College Auditorium. At 7:30 p. m. baccalaureate service in the Memorial Stadium.

Monday, May 26, reception for alumni. Members of the graduation class will be at the President's home on the campus at 4 p. m. Commencement exercises in the Stadium at 7:30 p. m.

diplomas to a class of more than 700 and recognition of the members of the class of 1901.

This program allows time for our class to get together for group and personal visits on early Sunday afternoon and up until 3 p. m. Monday.

We, the Manhattan members of the class of 1901, extend a most cordial invitation to each of you to come to Manhattan for the 1941 commencement week-end. We want to see you and yours, and to renew our acquaintance, and we want an opportunity to make acquaintance of your families. Make your plans now for your summer vacation and be sure you include a week-end at Manhattan on May 24 to 26, to renew your acquaintances with your pals of 40 to 44 years ago. There are no friends like old friends. Friends of 40 years or more can rightly be called "old friends." It will do you good to stroll over the campus and recall events and incidents of years ago and to note the changes that have taken place since your student days here.

You will be welcomed at every turn. Let us know when you will arrive and we will meet you at the depot or bus station. We will reserve accommodations for you in desirable homes. On account of activities at Camp Funston and Ft. Riley, army officers and construction company employees have a monopoly on hotel rooms in Manhattan. However, there are plenty of good rooms in modern homes, and we will gladly see that you are comfortable and conveniently located.

President Farrell has promised to give us the keys to the College during the week-end. We can go where we like, ring the bell, climb the flag-pole, shinny up the smoke stack to our hearts' content and have all the fun we can cram into the three days we are together.

Sincerely yours,
Charles A. Scott
Del Mar Akin
Charles J. Burson
Ina F. Cowles
Trena Dahl Turner
Manhattan residents of the class of 1901.

CLASS OF '06

The members of the class of 1906 who reside in or near Manhattan have assumed the responsibility of a reception committee to welcome members of our class who return for this year's reunion at commencement time, and let us assure you this will be a happy experience.

The associations and friendships of our undergraduate days meant a lot to us then and they still mean a lot. We are sure a reunion this year will be a happy occasion for all.

It will please us a lot if you will write soon telling us you plan to be with us at commencement time. If you cannot return, please tell us something of what you have been doing the past 35 years and we will try to compile this information and send a copy to each member of the class.

Yours very truly,
C. W. McCampbell
Winifred Dalton
Martha S. Pittman
Jessie (Reynolds) Andrews
Henry Otto

CLASS OF '11

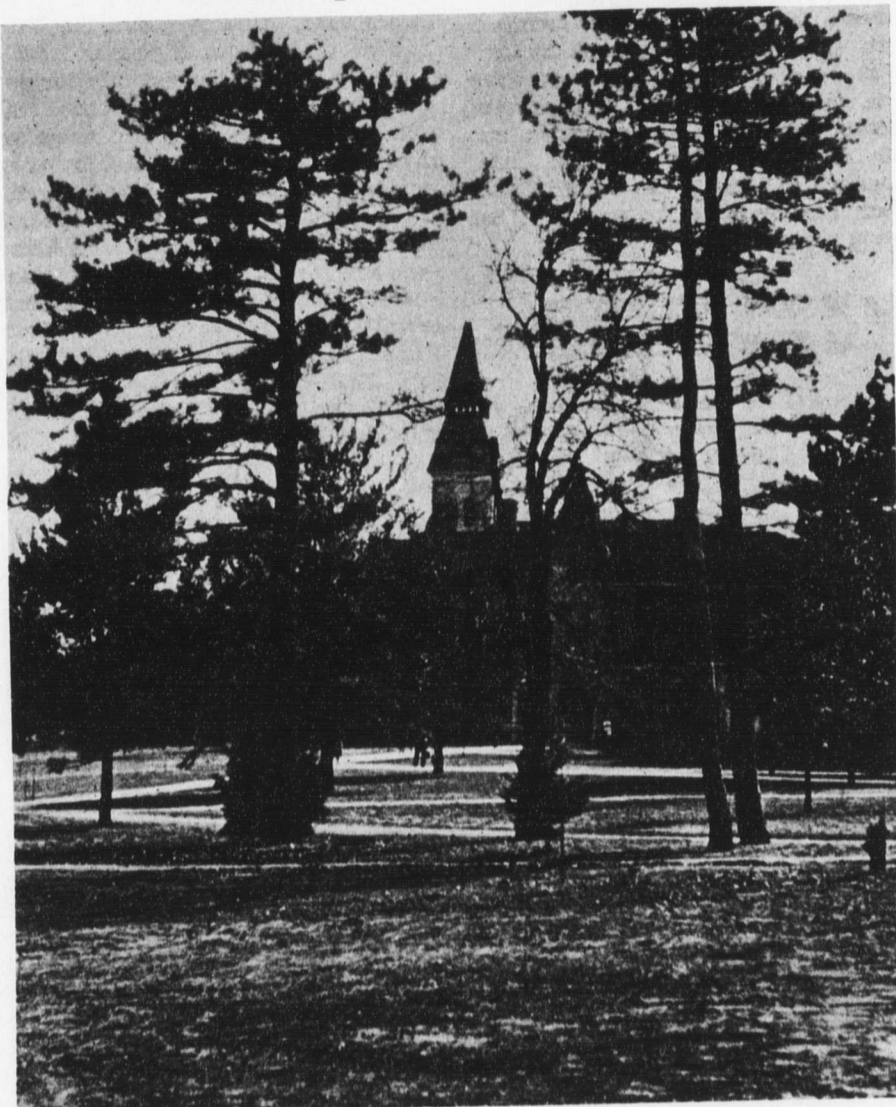
Station KSAC calling all members of the 1911 class:

Now fellow classmates, I do not think I have missed it very far by saying "that by radio is about the only way to get in touch with all of you." Say, wouldn't I get a big kick out of it if I could just talk to you over the air and know that you all would be listening, and tell you how we would like to see you all again. The wife (Pearl Smith) is saying it sure would be great to have them all back. Then, too, I am wondering if the wife has something else in mind since she has lived with me for 28 years. You know you never can tell.

Now folks, we want all of you that can come back to be sure and be here. I know that you want to see everybody else and everybody else wants

(Continued on following page)

"I Know a Spot That I Love Full Well"



Thirteen classes for the years ending in one and six are planning special programs for the Commencement activities on May 24-26. Views such as the above picture of Anderson hall will greet graduates and former students who come back to join with others in paying tribute to their Alma Mater.

Appreciates The Industrialist

A. Wallace Benson, '28, Clay Center, recently wrote the following letter to Kenney Ford, secretary of the Kansas State College Alumni association:

"It is so easy for us to kick about the things we do not like and fail to mention the things we do. I want to write just a word to tell you how much I appreciate THE INDUSTRIALIST.

"Twelve years ago someone sold me a life membership in the College Alumni association. In the last few weeks before graduation that \$50 looked like a lot of money, but with a steady income and no family it was

soon paid and forgotten.

"Now and during the eight years that we have been farming, THE INDUSTRIALIST arrives regularly, whenever school keeps. It is probably read more thoroughly than any other paper we receive because practically everything is of interest to us.

"Through it we learn of faculty changes, 'Recent Happenings on the Hill' and the degree of success achieved by our friends in both business and matrimony. Even the 'Sunflowers' column has its appeal. It is an investment that has already been worth the cost, and I hope to be on the mailing list for some time yet."

A Useful Alumni Association

Never before in the history of Kansas State College have so many services been offered by the Alumni association at so little cost.

Members of the College Alumni association receive THE INDUSTRIALIST each week of the school year. Addresses of College friends and classmates are furnished on request. Local committees are helped in arranging alumni meetings anywhere. Each class is aided in holding its reunion at commencement time every five years. Dr. J. T. Willard's "History of Kansas State College" is given free to paid-up life members, or for \$1 to annual members. A photograph record of "Alma Mater," "Wildcat Victory" and two other K. S. C. songs can be bought for \$1. New motion pictures in color of Kansas State are being prepared for alumni meetings. The legislative program of the Alumni association continues to enroll effective workers in behalf of the College. More than \$40,000 is loaned to students on the campus each year from the alumni loan fund.

But more important than all of the above is the realization of what it means to be a Kansas State man or woman. We support the College Alumni association because we are proud of the fact that we are eligible to do so.

If you are not a member at the present time, please fill out the blank below and mail it with your check to the College Alumni association office.

☐ Annual Membership \$3.00
INDUSTRIALIST for One Year
☐ Life Membership (INDUSTRIALIST for Life)

I, _____ of the _____ class of K. S. C. do hereby apply for life membership in the K. S. C. Alumni Association. In consideration I promise to pay the following amounts when due:

1. ☐ \$50.00 on or before.....1, 194....

2. ☐ \$50.00 in 10 successive monthly instalments
of \$5 each, beginning.....1, 194....

3. ☐ \$13.00 on or before.....1, 194....
\$12.40 on or before June 1, 194....
\$11.80 on or before June 1, 194....
\$11.20 on or before June 1, 194....
\$10.60 on or before June 1, 194....

Signed.....

REX MAUPIN, AG GRAD, DIRECTS NBC ORCHESTRA

VISIT TO CHICAGO STUDIO TURNING
POINT OF HIS CAREER

Member of '22 Class Has Never Missed
Broadcast; Worked Way Through
Kansas State College with
His Music

A visit in Chicago in 1923 to see the WLS studios, which had been opened only a short time before, proved to be the turning point in the musical career of Rex Maupin, Ag. '22, now orchestra director in the Chicago studios of the National Broadcasting company.

Prior to that time, Mr. Maupin had appeared on stations in Ft. Worth and San Antonio, Texas, with his orchestra. While visiting the WLS studios, Mr. Maupin met Glenn Rowell (now Glenn of Gene and Glenn) who put him to work the same day as an accompanist. Since that time, Mr. Maupin has been associated with various Chicago studios—musical director of KYW from 1929 to 1935, director of CBS during 1935 and since 1936 associated with NBC.

BEGAN AT AGE OF 7

Beginning at the age of 7, Mr. Maupin has been busy in the musical world for 35 years. His first professional appearance was with his father's band and orchestra. Later he swung into chautauqua and lyceum work with concert groups, bands and orchestras. He estimates he has played for probably 100 phonograph records.

Mr. Maupin has made radio his hobby, with a venture into amateur radio. He owns his own transmitting station at his home, located in Winnetka, Ill., and holds license W9VNW. Add to that a habit of collecting burned-out radio tubes and you can well realize Maupin is "sold" on radio business.

NEVER MISSED BROADCAST

Mr. Maupin has never missed a radio broadcast in his 18 years on the air, but he had one narrow escape when the elevator stalled on its way to the studios. Rex made his exit "just in time."

Mr. Maupin is an enthusiastic supporter of aviation and says he hasn't ridden, except as a commuter, on a train since 1926.

Rex and Norine (Weddle) Maupin, G. S. '21, live at 720 Forest Glen drive, Winnetka, Ill. They have two children, Ardeth and Craig, 8 and 3 years, respectively. Rex says his "favorite amusement" is playing with his children, and his favorite sport is skiing.

EARNED WAY THROUGH COLLEGE

A Sigma Nu during his college days, Mr. Maupin was able to earn all of his expenses through his music. He early developed considerable talent as a composer and arranger and has written more Sigma Nu songs than any other member of the fraternity. He is currently acting as one of the judges in its song contest.

Mr. Maupin's radio work includes a variety of the different types of programs. On the average, he is responsible for three programs a day: one may be a dramatic program with a medium-sized orchestra playing all original music, another will assume the form of a variety program such as "Club Matinee" with a dance-type orchestra and he usually winds up the day's work by conducting a large concert orchestra. He does considerable writing, especially on dramatic shows, and produces popular songs regularly in addition to composing all of the themes which are used on his programs. Though he plays almost any instrument one can name, he has done nothing but conducting since 1929. Mr. Maupin estimates he has played over 12,000 broadcasts, made about 2,500 arrangements for orchestra and written nearly 500 compositions.

STRONG DIRECTS BAND

Bob Strong, f. s. '23, whose orchestra played this year for the Kansas State St. Pat's prom, has one of the NBC orchestras under Mr. Maupin's supervision at Chicago.

DR. WALTER T. SWINGLE IDENTIFIES DRUG PLANT

THREE-YEAR BOTANICAL MYSTERY SOLVED BY GRADUATE

Retired Department of Agriculture Worker Reports on Findings, in Current Issue of Harvard University Publication

A drug plant brought out of a remote part of China three years ago by a National Geographic society expedition and found to be unknown to botanical science, finally has been identified and given its proper classification in the plant world by Dr. Walter T. Swingle, botanist of the United States Department of Agriculture, who retired early this year.

Doctor Swingle received his bachelor of science degree from Kansas State College in 1890, his master of science degree here in 1896 and his doctor of science in 1922.

NAMED FOR GEOGRAPHIC HEAD Doctor Swingle announces and describes the new plant in the April issue of the Journal of the Arnold Arboretum of Harvard university. He has given it the name "Momordica Grosvenori" in honor of Dr. Gilbert Grosvenor, president of the National Geographic society, who, he states, "for many years has encouraged liberally the geographic and botanical exploration of China."

The fruit, called "lo-han" by the Chinese, has long been used in the dried form in outer China as a household remedy—made into a sweet soup—for colds, sore throat, minor stomach and intestinal troubles and for other ailments. Quantities valued at thousands of dollars are shipped annually to Chinese residents in America. But despite this wide use of the dried fruit, its source remained a mystery, and its classification baffled botanists.

In Canton, one of the chief markets for the medicinal fruit, it was sold in paper wrappings some of which pictured it as growing on trees. In 1937, an expedition under the leadership of Dr. George W. Groff of Lingnan university, Canton, was sent by the National Geographic society to find the "trees." Lo-han kuo cultivation finally was located in the mountainous region of northeast Kwangsi province, but the plant turned out to be a vine and the fruit gourdlike. Culture of the plant was found to be carried on by the Miao, a primitive, aboriginal people driven from the fertile lands of central China to this isolated mountainous area a century and a half ago. The territory of these non-Chinese people has remained closed to the Chinese, and Doctor Groff probably was the first white man to penetrate into this country.

EXPERT ON CHINESE PLANTS

The dried fruit, photographs of the vine, specimens of leaves, flower and fruit, with analytical drawings, were turned over to Doctor Swingle by the expedition. Doctor Swingle, an expert on Chinese plant life, spent months examining ancient Chinese herbals (treatises on plants), as well as botanical works of Europe and the United States. Lack of adequate material for the male flowers further complicated the problem.

"It finally became evident, upon careful study of this material," Doctor Swingle writes, "that it constitutes a new species of Momordica, very distinct from any known to botanists."

The fruit grows on a vine which the Miao people train over rough horizontal arbors of saplings about six feet high. They utilize small patches of land on the mountain slopes about 2,000 feet above sea level. The climate is semitropical but cool and rainy in summer.

FERTILIZE BY HAND

To the great surprise of the expedition members, it was found that the Miao cultivate only the female plants and fertilize them by hand pollination from male vines growing in the wild state scattered through the mountains. This is one of the very few cases known in which primitive people practice this highly artificial method of crop production.

As much as a thousand tons of the ripened lo-han fruit is delivered every year by the Miao growers to processors in the nearby Chinese city of Kweilin. The fruit is partially dried naturally, and then more than 80 percent of the moisture is driven off by drying over charcoal fires. So highly is it prized in Chinese coastal cities that the dried fruits bring

about 20 cents each in Canton silver and about as much in American money in the United States.

SIZE OF HEN'S EGG

The fruit varies from the size of a hen's egg to that of a goose egg, and when ripe is greenish yellow or dull reddish brown. The dried shell is brittle and contains an excessively sweet fibrous material and flat seeds somewhat similar to those of a watermelon, but larger and thicker.

Special importance has attached to Chinese drugs since the discovery, from the Chinese drug "ma huang," of the medicinal properties of ephedrin and its contribution to medical science. Ephedrin was unknown outside of China 25 years ago; today sales of the drug in the United States reach hundreds of thousands of dollars a year.

ULA M. DOW WILL RETIRE AS SIMMONS COLLEGE PROF

Graduate in '05 Class Taught Here and Has Home Management House Named for Her

Miss Ula M. Dow, '05, professor of foods and home management at Simmons college, Boston, since 1914, will retire at the close of the present college year, Pres. Bancroft Beatley of Simmons announced last month.

Miss Dow, who went to Simmons from Kansas State College to take charge of the foods branch of the School of Home Economics when Dr. Alice F. Blood became director of that school, has contributed greatly to the reputation of the department for being sensible and practical as well as scientific. The retirement of Doctor Blood at the close of the present year was announced several weeks ago.

Professor Dow graduated from Kansas State College in 1905 and taught here for a number of years after graduation. Among her achievements was the organizing of movable schools for farm women in Kansas before any federal program of this kind existed. A home economics practice house at Kansas State College is named for her, and she was given the honorary degree of doctor of science at the celebration of the 75th anniversary of the founding of the College in 1938.

In addition to her teaching work at Simmons, Miss Dow had much to do with organizing the unusual guidance plan there, and was, until this year, chairman of the committee on advisement, which administers the plan.

She is the author, with Marjorie Heseltine, of "Good Cooking," written primarily to give help to brides and other inexperienced cooks, but used extensively as a laboratory manual.

KANSAS FARM HOMEMAKERS TO STUDY AMERICAN FLAG

Miss Georgiana H. Smurthwaite Announces Subject for Programs

The American flag—its code, history, uses—will be studied by hundreds of Kansas farm homemakers this year on citizenship programs of farm bureau units, Miss Georgiana H. Smurthwaite, state home demonstration leader of the Kansas State College Extension service, announced.

Because women enrolled in state home demonstration units wanted to understand more fully their place in our government, the citizenship program was organized in 1940. These programs are designed to give knowledge of the government and its workings as it applies to women citizens.

Although each unit plans its own program, last year many groups invited public officials to speak at meetings. Legislators, doctors, merchants, lawyers, county commissioners, county school superintendents, district school board members, health nurses and city officials appeared on these programs.

ALUMNI-SENIOR BANQUET RESERVATIONS

I will attend alumni day activities May 24. Reserve..... tickets to the alumni-senior banquet, starting 6 p. m. Saturday. Tickets are \$1.50 each—good for banquet and dance. Reservations will be held until 2 p. m. Saturday.

Signed

Address

Clip and Mail to the Alumni Office

'WELCOME HOME' SIGN HANGS OUT FOR ALUMNI

(Continued from preceding page)

to see you, and here at our 30th graduation anniversary is a good place to get the job done. Now if you cannot get back, write us a letter and if you have some pictures send them along with the letter. To all of you folks that cannot be here and write us a letter I will see that we will send you an account of the meeting and all the letters that came in. But the thing that we want most is you and all of yours—it will be a great trip for you.

I have been out over the state quite a bit in the last four years and have come in contact with a lot of the members of the 1911 class, and they are sure planning to make this a real reunion. Some of the members I have seen are Newell Robb, Laura Nixon, Bob Christian, Ed and Dick Small down Wichita way. Dave Roth, Moundridge; John Schlaefli, Cawker City; Bill Honska and George Campbell, Salina; Harry Skinner, Beverly; Walter Robinson, Nashville; Willis Kelly, Hutchinson; Dick Getty, Downs; Percy Davis, Lenora; Harry Fearey, Independence; Bob Moseley, Wamego; Hap O'Brien, Russell; Lawrence Osmund, Larned; Bert McFadden, Mullinville; Bertha Plumb and Effie Adams, Kansas City, Kan.; Alma Levensgood, Kensington; Gladys Seaton and Cliff Stratton, Topeka; Lyle Price, Seneca; Mary Simmons, Arlington; Abner Engle, Chapman; Oscar Crouse, Harlan; Roy Coleman, Atchison; Georgia Randel, Fredonia; Florine Fate, Inman; Elnore Cheney, Great Bend, and Ed Larson, Vesper.

And we have a few living here in Manhattan, and we are going to try and make your visit here one to be remembered. Those here are Elsie Rogler, Bunt Speer, Dora Otto, Mildred Huse, Edna Soupen, Hilmer Laude, Ellen Batchelor, Maria Morris, Edwin Grandfield, Pearl Smith and then myself. Now, folks, sit down and write a letter telling us of your plans and if you have any suggestions let us know about them because we want to make this party a time long to be remembered by all of you.

Yours for a rousing 1911 class reunion, I am,

Sincerely yours,

Harvey Roots.

CLASS OF '16

Do you remember we pledged ourselves to a big reunion in 1941? Well, 1941 is here and how about it? Let's have a real roundup.

I realize it is a bad situation the world is in. War in Europe threatens the Western world. The class of 1941 is facing the same situation we faced 25 years ago. Let us rally around them and show them it can be faced with the chin up.

"Zane" has started the ball rolling for our big reunion, so let's all get behind it and give it a big shove.

I'll be seeing you in Anderson hall, May 24.

Yours,

Ada Billings.

Other members of the class who reside in Manhattan are Wilma (Burtis) Bayer, Henry B. Bayer, Grace (Currie) Howenstine, Asa F. Flanagan, Josie M. Griffith, Lillian (Lathrop) Bennett, Phoebe (Lund) Caulfield, Reah (Lynch) Muir, Florence (Peppiatt) Warren, Archie M. Richards, Margaret (Schneider) Priedeaux, Luther Willoughby and Emily (Wilson) Swedenburg.

CLASS OF '21

Twenty years—and the reel is completed in the history of the world, and starts again. We entered 1917 to the sound of martial music; we enter 1941 to the sound to martial music. Don't you feel as the film flickers along its track that "this is where we came in?"

We were a class—one of the bro-

ken ones. We began a new pattern of class loyalties, and colleges and alumni associations haven't caught on yet. We were transients. Today we were here; the day after some of us had gone; the next day the vacancies were filled by strangers. Twenty boys—one out of every 20—who as freshmen sat in class with us or worked over test tubes with us went away and never came back. They are with us here on the campus always in their youthful likenesses paneled in a memorial frame as a reminder and a reproach.

We haven't had a reunion—one cannot reunite broken parts. But could we not meet again this year on the campus, we who finished together a little part in College and personal history that early summer of 1921?

There are good things here. Warm heart. And youth is still here. And under its gay, perennial pattern is the sober serenity of scholarly purpose kept alive by a faculty and an ideal, a something finer than any individual that makes up the institution. You loved something here. Come back and remember.

I don't believe our reunion could be like that of any other class. We have affiliations with time that others had not, and because we have those affiliations we are less attached to place. But the Place awaits you and will welcome you though its face—and your face—is changed.

Plans are being made for your pleasure. Plans are being made for your share in the business of things. But somehow I believe that under all that and aside from all that you will find the spirit that evades planned schedules yet pervades the place. Will you come? The College greets you.

Myra Scott
Nora (Corbet) Lingelbach
Charles D. Davis
Marguerite (Hammerly) Bock
Hazel D. Howe
Anna (Neal) Muller
Ruby Orth
Merton Otto
Elma (Stewart) Ibsen

CLASS OF '26

Twenty members of our class are in Manhattan to welcome you at commencement time this year. We hope many of you plan to be with us May 24, 25 and 26. If it is impossible for you to come—send a note telling us about yourself so that we may read it at our class luncheon, May 24.

Manhattan, the College and the 20 1926ers, Hazel (Anderson) Zahnley, Ida (Conrow) McGehee, Esther Cornman, Bernard Conroy, Miriam Dexter, Charles Dominy, Herman Farley, Rachel (Herley) Frey, Earl Herrick, James Hoover, Mrs. Etna (Place) Lyons, Sidney McCracken, Mabel Smith, Charles Stratton, Louise (Wann) Harwood, Kathryn (King) Chappell, Bertha (Worster) Pierce, Nora (Yoder) Wilson, Lucile (Heath) Shaidnagle, Ruth (Long) Dary, are looking forward to seeing you in May.

Sincerely,
Ruth (Long) Dary.

CLASS OF '31

Greetings to the 424 members of '31. Let's get together in Manhattan on May 24 and make our 10th reunion one we'll always remember!

Ruth Helstrom Hostetler.

Other members of the class living in Manhattan are Gladys (Benson)

RANGE OF CLASSES IN MEMBERS

Class	Grads	Life	Percent	Rank
1867	1	1	20.	6
1876	5	1	33.33	6
1879	7	1	14.28	14
1880	9	1	11.11	23
1882	9	1	33.33	1
1883	12	1	11.76	20
1884	17	2	14.28	14
1885	14	2	19.04	7
1886	21	5	33.33	1
1887	21	5	22.72	3
1888	22	1	4.	52
1889	25	4	14.81	12
1890	27	1	21.15	5
1891	52	4	11.42	22
1892	35	4	7.31	18
1893	39	3	7.69	33
1894	39	3	22.8	2
1895	57	4	6.06	44
1896	66	1	20.	6
1897	55	9	13.23	16
1898	68	4	7.4	35
1899	54	9	15.51	9
1900	58	7	11.66	21
1901	60	4	7.69	33
1902	52	4	10.9	24
1903	55	3	12.74	15
1904	102	5	9.37	29
1905	98	5	10.08	25
1907	119	11	9.48	28
1908	116	3	8.90	30
1909	146	8	12.76	17
1910	141	2	5.48	46
1911	219	5	6.49	40
1912	231	6	6.95	38
1913	230	6	8.48	32
1914	283	4	7.31	45
1915	223	4	5.82	47
1916	342	0	9.64	27
1917	197	9	4.18	50
1918	215	1	6.58	39
1919	167	3	8.85	31
1920	260	6	6.45	41
1921	248	7	7.38	36
1922	271	1	6.15	43
1923	341	3	9.65	26
1924	342	5	16.41	8
1925	335	5	22.68	4
1926	341	1	14.36	13
1927	357	1	22.68	4
1928	429	1	15.38	11
1929	461	7	15.4	10
1930	469	7	12.15	19
1931	424	10	7.54	34
1932	486	1	6.17	42
1933	523	1	4.01	51
1934	423	1	4.49	48
1935	470	5	4.25	49
1936	478	5	5.23	47
1937	521	1	1.72	54
1938	637	2	2.19	53
1939	720	2	1.66	55
1940	710	2	0	56
Undergraduates				
Total				
Number of Term				
Living				
April 11, 1941.				

Talbot, Mearns, Caldwell, Owen L. Cochrane, Marn I. Cousins, Nina Edelblute, F. Kipper, Martin S. Klotzba, Lisa D. Krause, Lawrence North, E. Prentice, Ayreleen (Hess) of the Enk, Ada (Wiese) Scheel, A. Winkler and Grace (Zeller) G. na

CLASS OF '36

We, who are in Manhattan, are anticipating a great deal of pleasure in this return for our first pleasure in the organizations to reunion. So pack up your worth reminding some (and I know twins if you do has). Bring your at least of side smile to greet your most improved, and we promise that old college home awaits you. a most roy, berceeson) Monahan.

Sus' Mann of the class who Other, ornwell, Se Jessie (Yahn) live in Osborn, H. Boyles, Gerald J. Andrews, Gell (Chappell) Harold, Brown, Ma Hal F. Eier, Delbert Mary E. Co F. Finney, Robert M. Eshbaugh, it ward J. Haas, F. Groesbeck, frn, Vinton G. Johnson, Maxine Hol fo) Lashbrook, Allen Ruthana (e Beth W. Miller, Ken- V. Lester, fro Karl G. Shoemaker, neth J. Ph (Pabo, Trena (Turner) Charles R. k, J. Twiehaus, Dorothy Marden, Mctiwiehaus, Robert E. (Washington) Wallerstedt

DOCTOR WILLARD'S HISTORY

Dr. Julius T. Willard's "History of Kansas State College of Agriculture and Applied Science" is ready for distribution. Return the following order blank to the Alumni office, Kansas State College, for your copy.

☐ I am a paid-up life member of the K. S. C. Alumni association. Kindly send my free copy.

☐ Enclosed find \$..... to complete my membership to a free copy.

☐ Enclosed find \$4 for one copy and \$1 for a life membership.

☐ Enclosed find \$1 for one copy. My 42 dues already have been paid.

☐ Please ask Doctor Willard to autograph my copy.

Name

Address

AMONG THE ALUMNI

Nellie (Sawyer) Kedzie Jones, A. B. '76, M. S. '83, LL. D. '25, Kansas State's oldest living graduate, is professor emeritus of the Home Economics division of the University of Wisconsin. She lives at 320 Lathrop street, Madison, Wis.

Wilmer K. Eckman, B. S. '79, 305 South Fredonia street, Longview, Texas, is bookkeeper for the G. A. Kelly Plow company.

Emma (Knostman) Huse, B. S. '80, lives at 301 North Fifteenth, Manhattan. She plans to attend commencement activities on the campus this spring.

Flora (Donaldson) Rhodes, B. S. '81, moved recently from Lakewood, Ohio, to 15103 Lake avenue, Suite No. 1.

Mattie (Mails) Coons, B. S. '82, lives at 1922 Leavenworth, Manhattan. She took a trip to Michigan last fall to see a daughter, Mrs. Maurice D. Laine, f. s. Mrs. Coons says that she enjoys THE INDUSTRIALIST from beginning to end.

Melvin J. Boots, f. s. '84, is chief operator of the Meridian Terminal company at Meridian, Miss. He and Mrs. Boots live at 1305 Twenty-Second avenue.

Gen. James G. Harbord, B. S. '86, M. S. '95, LL. D. '20, writes that he may return for the 55th anniversary reunion of his class this spring. His address is Room 5322, 30 Rockefeller plaza, New York City.

Frederick A. Marlatt, B. S. '87, and Mrs. Marlatt (Annie Lindsey) live at 344 North Sixteenth, Manhattan. Mr. Marlatt is proprietor and manager of the Blue Valley foundry.

Daniel W. Working, B. S. '88, and Ella (Booth) Working may be addressed at 710 South Forest street, Denver. They moved to this farm after Mr. Working served as historian of Colorado State college. He was formerly dean of agriculture at the University of Arizona.

Walter R. Browning, B. S. '89, lives at 908 Laramie, Manhattan. Since his daughter, Nina Browning, H. E. '23, M. S. '27, is an instructor in foods at the College, he has turned his hobby of gardening to providing pansies every year for centerpieces in meal service.

E. C. Pfuetze, B. S. '90, recently was re-elected commissioner of streets and public utilities in Manhattan. He lives at 712 Fremont.

Charlotte Jane (Short) Houser, B. S. '91, M. S. '93, is living at 1002 South Vernon, Dallas, Texas.

Daniel H. Otis, B. S. '92, M. S. '97, and Mary (Lyman) Otis, B. S. '94, M. S. '01, live at 1822 Chadbourne avenue, Madison, Wis. Mr. Otis is director of the agricultural committee for the American Bankers' association.

Maude (Knickerbocker) Pyles, B. S. '93, lives at 1913 Knickerbocker place, La Canada, Calif. Her mailing address is Box 124, Montrose, Calif.

Charles R. Hutchings, B. S. '94, is mechanical engineer for the Kansas City Structural Steel company. His address is 3319 Metropolitan avenue, Kansas City, Kan.

Prof. George A. Dean, B. S. '95, M. S. '06, is head of the Department of Entomology at Kansas State College, and entomologist with the Kansas Agricultural Experiment station. He has held these positions since 1913. He and Minerva (Blachly) Dean, B. S. '00, live at 1725 Poyntz, Manhattan.

John B. Dorman, B. S. '96, has retired from teaching. He and his wife, Helen (Knight) Dorman, live at 24 Court street, Deposit, N. Y.

John E. Trembly, B. S. '97, has retired but he still lives on his farm at Council Grove.

Henry W. Rogler, B. S. '98, and Maud (Sauble) Rogler, D. S. '01, live at Matfield Green. In addition to his duties on his farm there, Mr. Rogler participates in the functions of the College Alumni association. In addition to his two years' service as president, he now is a member of the board of directors. The Roglers have four children, all of whom are graduates of Kansas State College.

A. T. Kinsley, B. S. '99, M. S. '01, and Anna (Smith) Kinsley, B. S. '01, have their residence at 616 East Fifty-Ninth street, Kansas City, Mo.

Mr. Kinsley retired January 1 as manager and consulting veterinarian of the Kinsley laboratories.

Harry M. Bainer, Ag. '00, is general agricultural agent for the Panhandle and Santa Fe Railway company. His address is 1612 Taylor, Amarillo, Texas.

Erma Locke, D. S. '01, is teaching her 26th year in the Phillipsburg high school. The Alumni association office recently received a clipping from the Phillips County Leader which expressed the appreciation of the community for the work done there by Erma Locke. Hers is the longest continuous high school teaching record in Phillips county. She writes that she cannot attend her class reunion this year because she will be vacationing in Salem, Ore. She sends her regards to her classmates of 1901 and other friends.

Leslie A. Fitz, B. S. '02, is grain exchange supervisor of the Commodity Exchange administration with the United States Department of Agriculture. He lives at 604 Maple avenue, Wilmette, Ill.

Clara Pancake, D. S. '03, lives at 4722 Warrington, Philadelphia. For the past several years, she has been head of the Home Economics department at the Philadelphia Normal school.

Lawrence V. Sanford, Ag. '04, Oneida, is a farmer and stockman.

Walter J. Brant, M. E. '05, is a construction superintendent in Wichita. He lives at 1810 South Water street.

George A. Spohr, B. S. '06, recently asked about his class reunion. He said he is planning to attend. He is Pacific coast manager of the Blackhawk Manufacturing company of Milwaukee. His home is at 1012 Sunny Hills road, Oakland, Calif.

Lois Failyer, B. S. '07, is home economist with the Federal Bake shop in New York City. Her address there is Apartment 1516, 25 Prospect place.

Frank C. Harris, Ar. '08, M. S. '17, is design engineer of the American Mono-Rail company, Cleveland, Ohio. His home is at 16301 Lakewood Heights boulevard, Lakewood, Ohio.

Herman L. Cudney, B. S. '09, and Gertrude (Stump) Cudney, '96, live at Trousdale. Mr. Cudney was on the state committee of the Agricultural Adjustment administration from 1938 to December, 1940. He is now an AAA field man at large.

Lillian (Lowrance) Mickel, D. S. '10, and L. Blanchard Mickel, Print. '10, live at Pelham Manor, N. Y. Mr. Mickel is superintendent of bureaus of the United Press associations. His office address is United Press, Daily News building, New York City.

Zepherine (Towne) Shaffer, H. E. '11, writes that she expects to return this year for her class reunion and hopes to see many of her classmates. Mrs. Shaffer lives at the Chalfonte apartments, 1601 Argonne place, Northwest, Washington, D. C. She included in her letter a picture of Nancy Alden Strong, 17-year-old "cherry blossom queen" for Washington this year. Nancy's father is Col. Alden G. Strong, E. E. '11. Miss Nancy drew the full-page cover to the roto section of the Washington Sunday Post recently.

Nellie Aberle, B. S. '12, M. S. '14, is assistant professor of English at Kansas State College. Miss Aberle has been with the Department of English since 1921, and has held her present title only since 1935.

Ethel T. Grimes, D. S. '13, is bookkeeper and secretary for an insurance company at Greenwood, Mo.

George E. Werner, C. E. '14, is contractor and owner of the Industrial Installation service at Norwood, Ohio. He and Edith (Boyle) Werner, H. E. '16, live at 2470 Hudson avenue.

Bruce H. Cummings, M. E. '15, works with the United States engineer's office, Davidson building, Seventeenth and Main, Kansas City, Mo. He lives at the YMCA, Kansas City, Kan.

A. C. Apitz, Ag. '16, recently sent word that his address is now 6230 Kenmore, Chicago. He said, "When the Kansas State Wildcats meet the Northwestern Wildcats this fall, I will be wearing purple and white for both schools. It's going to be hard to tell where my heart will be, with Waldorf and Fry assisting on the sidelines."

Ferdinand E. Hayes, Ag. '17, Chicago, an architect with the Public

LOOKING AROUND KENNEY L. FORD

Please Notify Alumni Office

All Kansas State College men who are on active duty with the army, navy or marine corps should always notify the College Alumni association office of their changes of address. Please include rank and organization.

Buildings administration, was a Manhattan visitor recently.

The Kansas State Grange this year awarded a scholarship of \$65 to Harlan Dean Colglazier, Larned, son of Harry C., Ag. '18, and LaFaun (Wilkins) Colglazier, f. s. Mr. Colglazier, a former president of Kansas Grange, is now state lecturer for that organization. The Colglaziers operate a farm near Larned. Mr. Colglazier was formerly county agent at Lawrence. Harlan will graduate this year from the Zook high school and will enroll in general science at Kansas State next fall.

Myrtle A. Gunselman, H. E. '19, is assistant professor in household economics at Kansas State College.

Homer C. Wood, Ag. '20, and Etha (King) Wood, f. s. '31, live at 402 South Pine, Pratt. Mr. Wood is employed by the Farm Security administration there.

Rolla Wade McCall, Ag. '21, is associated with the Soil Conservation service. He recently has been transferred from his position as project agronomist at Hereford, Texas, to Seneca, Kan.

Claire A. Downing, I. C. '22, is sales engineer for the American Bituminous company, Baltimore, Md. His home is at 503 North Twenty-Ninth street, Beverly Park, Camp Hill, Pa.

Edna (Bangs) Hinshaw, G. S. '23, M. S. '25, writes: "We have been at Davis nearly 11 years now. My husband, William R. Hinshaw, M. S. '26, is veterinarian in the experiment station and associate professor of veterinary science at the College of Agriculture, University of California, here. Our two boys, David and Robert, are now 8 and 4, respectively."

Fred F. Lampton, Ag. '24, M. S. '29, 1658 South Santa Fe, Wichita, works with the wing assembly department of the Cessna Aircraft corporation.

Foster A. Hinshaw, E. E. '26, is a member of the technical staff of the Bell Telephone laboratories. He is engaged in the development of Carrier telephone systems. He and Stella (Baker) Hinshaw, G. S. '31, visited the campus April 10. They live at 114-68 208th street, St. Albans, N. Y.

Merle W. Bloom, Ag. E. '27, is a designing engineer for the Allis-Chalmers Manufacturing company, La Porte, Ind.

M. C. Axelson, Ag. '28, lives at 609 Penn street, Holton. His hobby is collecting "pencils plus personalities." Mr. Axelson is county agent.

Glade W. Hurst, E. E. '29, 1110 Highly street, is assistant results engineer for the St. Joseph Railway, Light, Heat and Power company.

Arthur Vance, E. E. '30, recently was recognized for his work in the development of the electronic tube. He is research engineer for the R. C. A. Manufacturing company, Camden, N. J.

Daisy McMullen, H. E. '31, is located at Colby in her position as district school lunch supervisor, Federal Works agency. She writes: "School lunch work is very interesting. I have 43 school lunch projects in 10 counties which I supervise. These are the 10 northwest Kansas counties including Norton. In the 43 schools there are 4,210 children served a complete well-balanced meal at noon every day. The results are very gratifying to the school administrators as well as to the communities at large. The majority of my schools are consolidated schools. I have one project that serves 290 children, from kindergarten through high school."

Russell James, M. E. '32, resigned his position as office manager and personnel director of the Manhattan Agricultural Adjustment administration office, to begin work in the management department of the Stearman Aircraft company, Wichita.

Wilmer I. Conger, D. V. M. '33, and Grace (Workman) Conger, f. s., live at 2420 North Forty-Third street, Kansas City, Kan. He has a practice

in veterinary medicine there.

Katharyn Ann McKinney, P. E. '34, teaches women's physical education in high school and junior college at Bartlesville, Okla. Her address there is 716 Wyandotte avenue.

Elsie Marie Fulks, H. E. '35, is supervisor at the Quadrangle at Montana State college, Bozeman.

Lyman Abbott, P. E. '36, lives at 24 School street, Bellows Falls, Vt., where he is an athletic director and coach.

Roy C. Kirkpatrick, E. E. '37, teaches in the vocational school of the New Castle, Pa., public schools. He may be addressed at 1023 Adams street, New Castle.

Eldon E. Retzer, I. C. '38, is working on engineering in the defense training program with the Department of Chemical Engineering, Kansas State College.

Thomas J. Sette, C. E. '39, recently resigned as junior inspector for the Texas State Highway department to accept a position as engineering draftsman in the highway and railroad division of the Tennessee Valley authority. He is located at Chattanooga, Ga.

Phil Gainey, E. E. '40, who was enrolled as a graduate student at Kansas State this year, left here for Albert Lea, Minn., where he has a position with the Interstate Power Company of Dubuque.

Raymond Stewart, last-semester graduate, takes the position of Ernest Wells as vocational agriculture instructor in Centralia high school. Mr. Wells resigned to pursue graduate work at Kansas State.

BIRTHS

Glen L. Dunlap, D. V. M. '28, and Pearl (Fairchild) Dunlap, '39, are the parents of Dorothy Lou, born March 14. They live at 5726 Charlotte, Kansas City, Mo.

Hugh G. Myers, Ag. '38, and Alice (Sloop) Myers, H. E. '38, have written of the arrival of Garry Don Myers, February 10. They live at 297 North Picadome park, Lexington, Ky.

Ethyl (Danielson) White, H. E. '25, and her husband, Wallace M. White, f. s. '36, have a daughter, Karla Maurine, born December 1, 1940. The Whites live on a farm north of Coldwater.

Ralph Barnhart, Ag. '32, M. S. '33, and Thelma (Reed) Barnhart, H. E. and N. '32, recently sent an announcement of the arrival of Michael Reed, March 28. Mr. Barnhart is a florist in Coldwater.

Warren C. Jackson, M. E. '39, and Bee (Moll) Jackson, 486 South Pearl, Denver, have a daughter, Barbara Bee, born March 6. Mr. Jackson is with the gas division of the Federal Power commission, 800 Central Savings Bank building.

James W. Caughron, C. '31, and Mrs. Caughron have named their son, born September 26, James W. Caughron II. Mr. Caughron is tax representative of the St. Joseph division of the Standard Oil company. Their home is at 916 South Noyes, St. Joseph.

Howard Kipfer, C. E. '32, writes that Charles Creath Kipfer was born March 23. Mr. and Mrs. Kipfer reside at 410 West Pecan, Bowie, Texas, but his permanent address is still Drawer 1267, Ponca City, Okla., c/o Geophysical Division of Conoco. Mrs. Kipfer is the former Daisy Shepard, f. s.

RECENT HAPPENINGS ON THE HILL

The College orchestra will give its first concert of the spring season in the College Auditorium at 4:15 p. m. Sunday.

Pres. F. D. Farrell spoke at the annual state conference of Alpha Phi Omega, service fraternity, which met here Sunday, on the services that could be rendered on the campus.

Annual inspection for Reserve Officers' Training corps units at Kansas State College will be next Monday. Approximately 1,350 cadet officers and men will participate in the inspection this year.

Greek organizations on the campus will present songs characteristic of their respective fraternities and sororities in the annual interfraternity sing in the quadrangle north of Nichols Gymnasium tonight.

Winner of a \$25 award is Reva King, Council Grove, junior in the Division of General Science. The award was made by Chi Omega sorority for her work in the field of sociology, as based upon high scholarship and merit.

The annual roundup and feeders' day at the Ft. Hays Experiment station will start Saturday morning with a meat-cutting demonstration on pork and mutton by Prof. David L. Mackintosh of the Department of Animal Husbandry.

Raymond Adams, Manhattan, senior in the Division of General Science, will begin three years' work toward a doctor of philosophy degree next September at the California Institute of Technology. Adams is high senior in a class of 700.

The 4-H Who's Who magazine will appear on the campus about May 1. Martha Wreath, Manhattan, editor of the Collegiate 4-H club's publication, reported last week that all copy has been submitted and a dummy of the magazine sent to the printer.

Marianna Kistler, Manhattan; Katharine Chubb, Topeka, and James Kendall, Dwight, have been selected for Sigma Delta Chi scholarship awards this year. The awards are made by the professional journalism fraternity to senior journalism students who are in the upper 10 percent of the graduating class.

George Inskeep, Manhattan, is new president of the Block and Bridle club, departmental club in animal husbandry. Vice-president is Bruce Robertson, Barnard. George Wreath, Manhattan, is secretary; Jack Cornwell, St. John, treasurer; Robert Osborne, Rexford, marshal, and Darrell Bozarth, Liberal, reporter.

Called to Active Navy Duty

A letter from Mrs. Wally C. Wetlaufer, the former Helen Young, '37, reached the Alumni association office this week from Webster Groves, Mo.:

"Wally (P. E. '38) left yesterday for Norfolk, Va., where he has been called to active duty for the navy. He has been an ensign in the communication reserve since before he left school at Manhattan. I plan to join him there about the first of June. I'll send his address as soon as I get one from him."

KANSAS STATE COLLEGE RECORDINGS

"Alma Mater" and "Wildcat Victory" by the Kansas State College Men's chorus and

"Roll on, Kansas State" and "Shoulder to Shoulder" by the College band

All four of the above songs so dear to Kansas State College students and alumni recorded on one standard phonograph record will be mailed anywhere in the United States for \$1 each. Alumni in foreign countries should add the necessary additional postage.

If you wish one of these records for your home or alumni meeting, fill out the following order blank and mail to the Kansas State College Alumni association, Manhattan.

☐ Inclosed find \$1 for one K. S. C. recording.

☐ Inclosed find 15c for one printed copy of "Wildcat Victory."

Name

Address

GRADUATE GROUPS KEEP THEIR K. S. C. CONTACTS

ROUND-ROBIN LETTERS AND MIMEOGRAPHED BULLETINS USED

One of Best Off-Campus Publications Is Twenty Tooter Edited by Millard C. "Wally" Watkins; Some Issued Here, Too

Round-robin letters and other forms of keeping in touch with each other among members of groups with common interests play an important part in maintaining Kansas State College loyalty.

Dean R. R. Dykstra sends a mimeographed bulletin of Division of Veterinary Medicine alumni news to all veterinary graduates. The Department of Industrial Journalism and Printing publishes annually The Fourth Estate for graduates in journalism. There are many others, including chapter letters of fraternities.

TWENTY TOOTER ONE OF BEST
One of the best off-campus publications which comes each year to the College Alumni association office is the Twenty Tooter. This is a neatly bound booklet of mimeographed letters from each member of the 1922 class in electrical engineering. Millard C. "Wally" Watkins is the editor of the Twenty Tooter. Each '22 E. E. is asked to send his letter to Wally about Thanksgiving time with a small contribution to cover expenses of mimeographing and mailing.

The '22 E. E.'s have a high percentage returning to the campus for their five-year class reunions. Many of them are active in their local and the College alumni associations. Thanks to Wally, they are keeping up through the years a fine friendship which began in college.

The '22 E. E.'s with their address and the company they work for follow:

Ersal J. Beyer Jr., 304 West Seventeenth street, Hutchinson, Hilton Electric company; W. Raymond Bradley, Dawn, Mo.; George H. Bush, 110 East Stadium, West Lafayette, Ind., Division of Education and Applied Psychology, Purdue university; O. K. Brubaker, 928 Field avenue, Plainfield, N. J., Western Electric company, 100 Central avenue, Kearny, N. J.; R. L. Chapman, 220 Cherokee drive, Erie, Pa., General Electric company; R. M. Crow, 8716 Hoover avenue, Richmond Heights, Mo., American Telephone and Telegraph company; Earl H. Domoney, 1316 Howard street, Saginaw, Mich., Consumers' Power company, 600 Federal avenue; Richmond K. Elliott, 1408 Carmen avenue, Chicago, Commonwealth Edison company; Asa H. Ford, 914 Chicago avenue, Downers Grove, Ill., Western United Gas and Electric company.

'22 LIST OF ENGINEERS
Gerald L. Garloch, 712 North Fifth street, Garden City, Kan., Construction company; George M. Glendenning, 20 East Fifty-Fourth street, Kansas City, Mo., Commercial Investment Trust company; P. J. Hershey, Teletype corporation, Western Electric company, 195 Broadway, New York City; H. G. Hockman, 328 Dresser street, Cheboygan, Mich., Michigan Public Service company; K. O. Houser, 528 South Belmont street, Wichita, Kansas Gas and Electric company; R. S. Jennings, 1344 Emerson avenue, Salt Lake City, Utah, Utah Power and Light company; Thornton J. Manry, 1016 Walnut street, Kansas City, Mo., the Green company; Paul M. McKown, 4130 Ellington, Western Springs, Ill., Western Electric company; Charles C. McPherson, 4032 Hawthorne, Dallas, Texas, Stanley Home Products company.

Marshall J. Miller, 1809 Albans road, Houston, Texas, Rice institute; Harold S. Nay, 746 Litchfield, Wichita, Kansas Gas and Electric company; Frank E. Nordeen, 713 Huron hill, Madison, Wis., General Electric company; Paul J. Phillips, 207 South Union avenue, Havre de Grace, Md.; George H. Reazin, 924 North Spring avenue, La Grange Park, Ill., Union Special Machine company, 400 North Franklin, Chicago; L. E. Rossel, 4314 Cranford drive, Normandy, Mo., Maloney Electric company; J. J. Seright, 5230 Randolph street, Lincoln, Neb., Seright Publication bureau; H. I. Tarpley, 240 East Hamilton avenue, State College, Pa., Penn State college; Earl E. Thomas, 15473 Indiana avenue, Detroit, Thomas Products company; Millard C. Watkins, 418 Greenleaf avenue, Wilmette, Ill., Commonwealth Edison company; Earl H. Woodring, 451 Madison street, Denver.

Hundreds of College-trained Officers Are Serving in Country's Armed Forces

Hundreds of Kansas State College reserve officers now are serving in the armed forces of the country.

The following men, practically all engineers, are on extended active duty with the army, most of them in the Coast Artillery corps:

CAPTAIN MESEKE AT TOPEKA

Capt. W. C. Meseke, f. s. '27, executive officer, Topeka military office, Topeka; First Lieut. A. B. Cash, E. E. '26, Reception center, Ft. Leavenworth; Capt. John J. Jewett, C. E. '38, Kelly Field, Texas; Capt. Ernest W. Bennett, f. s., E. E. '31, Camp Davis, Hollyridge, N. C.; Capt. D. C. Taylor, C. E. '25, Kansas State College; Capt. Charles F. Smith, Ar. E. '32, staff and command school, Ft. Leavenworth.

Capt. A. O. Flinner, M. E. '29, Kansas State College; Capt. Clement C. Parrish, C. E. '31, Porto Rico; Maj. Harold Stover, Ag. E. '29, Kansas State College; First Lieut. Don Collins, C. E. '37, Ft. Riley; First Lieut. Lynn Berry, C. E. '33, Camp Haan, Riverside, Calif.; First Lieut. Charles W. Evans, E. E. '33, Ft. Monmouth, N. J.; First Lieut. George L. Quigley, E. E. '30, Ft. Worden, Wash.; First Lieut. William R. Stewart, E. E. '33, Camp Haan, Riverside, Calif.; First Lieut. Hal McCord, Ar. E. '34, Houston, Texas.

First Lieut. Lawrence W. Kilbourne, E. E. '31, Ft. Monmouth, N. J.; First Lieut. Leonard R. Adler, E. E. '34, Camp Davis, Hollyridge, N. C.; First Lieut. Joseph D. Ward, Ar. E. '38, Camp Haan, Riverside, Calif.; First Lieut. Ivan Welty, f. s., C. E. '32, Ft. Bragg, N. C.; First Lieut. Millard W. Wilcox, C. E. '35, Ft. Worden, Wash.

Second Lieut. Edward I. Allen, C. E. '39, Camp Haan, Riverside, Calif.; Second Lieut. Charles B. Bayles, C. E. '39, Camp Haan, Riverside, Calif.; Second Lieut. Russell C. Buehler, C. E. '39, Ft. Amador, Panama Canal Zone; Second Lieut. Duane G. Jehlik, C. E. '40, Camp Clatsop, Ore.; Second Lieut. Floyd E. Wiley, f. s., C. E. '39, Panama Canal zone; Second Lieut. Hilary J. Wentz, f. s., Ind. Arts '38, Canal Zone; Second Lieut. Richard M. Gillispie, f. s., E. E. '40, Ft. Bliss, Texas; Second Lieut. Harold V. Henderson, C. E. '40, Camp Clatsop, Ore.; Second Lieut. Louis Rotar, C. E. '39, Ft. H. G. Wright, N. Y.

PLYLEY AT OMAHA HEADQUARTERS

Maj. R. C. Plyley, G. S. '24, Seventh Corps Area headquarters, Omaha, Neb.; Maj. Ira D. S. Kelly, C. E. '24, executive to the construction quartermaster, Ft. Riley; Maj. William N. Hornish, f. s., C. E. '25, Seventh Corps Area headquarters, Omaha, Neb.; First Lieut. Robert C. Besler, M. E. '33, Camp Haan, Riverside, Calif.; First Lieut. Fred E. Brady, E. E. '36, Ft. Monmouth, N. J.; First Lieut. William V. Warren, M. E. '36, Ft. Riley; First Lieut. Woodrow W. Templer, G. S. '36, Camp Callan, San Diego, Calif.; First Lieut. Ralph Roderick, C. E. '32, Ft. Worden, Wash.

First Lieut. Clair M. Worthy, C. E. '32, Ft. Crockett, Texas; First Lieut. Elbert E. Wheatley, f. s., C. E. '34, Ft. Bragg, N. C.; First Lieut. Max McCord, C. E. '39, Ft. Bliss, Texas; First Lieut. William P. Simpson, C. E. '34, Ft. Amador, Panama Canal Zone; First Lieut. Gayle H. Foster, G. S. '36, Camp Haan, Riverside, Calif.; First Lieut. John F. Gaumer, E. E. '39, Ft. Bliss, Texas; First Lieut. William T. Walters, C. E. '36, Ft. H. G. Wright, N. Y.; First Lieut. Anton S. Horn, Ag. '37, Ft. Bliss, Texas.

First Lieut. Edwin G. Orrick, f. s., C. E. '34, Ft. H. G. Wright, N. Y.; First Lieut. Blair Forbes, M. E. '34, Ft. Bliss, Texas; Second Lieut. Woodrow Bell, G. S. '40, Ft. Hancock, N. J.; Second Lieut. Harold C. Boley, f. s., C. E. '30, Camp Davis, N. C.; Second Lieut. Charles E. Roper, E. E. '38, Ft. Worden, Wash.; Second Lieut. Clarence A. Powers, f. s., M. E. '40, Ft. Monroe, Va.

Second Lieut. Buford D. Tackett, E. E. '39, Camp McQuaide, Calif.; Second Lieut. Fred M. Crawford, Ag. E. '38, Ft. Richardson, Anchorage, Alaska; Second Lieut. Walter E. Burrell, M. E. '40, Ft. Richardson, Anchorage, Alaska; Second Lieut. William G. Bensing, f. s., E. E. '41, Camp McQuaide, Calif.; Second Lieut. Frederick J. Gardner, f. s., Ar. '40,

Ft. Worden, Wash.; Second Lieut. Charles M. Heizer, Ar. E. '38, Camp McQuaide, Calif.; Second Lieut. Gustave E. Fairbanks, f. s., Ag. E. '41, Kansas State College.

VOLKEL STATIONED IN KANSAS

Capt. Vernon E. Harvey, C. E. '31, Camp Wallace, Texas; Capt. Walter H. Murray, C. E. '29, Camp Davis, N. C.; Capt. Leslie R. King, C. E. '31, Lake City Ordnance plant, Independence, Mo.; Capt. Gerald M. Donahue, E. E. '32, Camp Davis, N. C.; Capt. Max W. Coble, M. E. '30, Ft. Francis E. Warren, Wyo.; Capt. M. G. Ginter, E. E. '29, Ft. Monroe, Va.; Capt. Clifford J. Woodley, M. E. '34, Moffett Field, Calif.

Maj. Forrest B. Volkel, E. E. '29, instructor, staff and command school, Ft. Leavenworth; First Lieut. Howard S. Spear, f. s., E. E. '34, Ft. Williams, Me.; First Lieut. Ralph O. Smith, E. E. '33, Camp Haan, Riverside, Calif.; First Lieut. David E. Deines, C. E. '27, Moffett Field, Calif.; First Lieut. Roy O. Crist, Ag. E. '35, Randolph Field, Texas; First Lieut. Marvin A. Weihe, Ar. E. '35, Ft. Bragg, N. C.; First Lieut. Gerald D. Van Pelt, E. E. '29, Ft. Bliss, Texas; First Lieut. Archie French, E. E. '35, Camp Haan, Riverside, Calif.

First Lieut. William H. Roth, C. E. '35, Ft. Worden, Wash.; First Lieut. Charles F. Monteith, f. s., C. '32, Ft. Barry, Calif.; First Lieut. Guy S. Guthrie, f. s., C. E. '32, Ft. Worden, Wash.; First Lieut. George D. Haynes, C. '37, Ft. Bragg, N. C.; First Lieut. George Jobling, Ch. E. '35, Camp Haan, Riverside, Calif.; Second Lieut. James O. Ridenour, M. E. '40, Ft. Barry, Calif.; Second Lieut. Elmer L. Vinson, f. s., E. E. '40, Lowry Field, Colo.

JOERG AT FT. HANCOCK

Second Lieut. Harold W. Underhill, Ar. E. '41, Ft. Bliss, Texas; Second Lieut. F. W. Toomey, E. E. '30, Ft. Rosencrans, Calif.; Second Lieut. Roy S. Martin, Ch. E. '38, Ft. Bliss, Texas; Second Lieut. James R. Hammett, B. A. '40, Ft. Worden, Wash.; Second Lieut. Dale V. Davis, C. E. '39, Ft. Riley; Second Lieut. Lester L. Peterie, C. E. '40, Ft. Bragg, N. C.; Second Lieut. Ernest M. Joerg, f. s., Ar. E. '24, Ft. Hancock, N. J.; Capt. V. H. Meseke, C. E. '31, Construction Quartermasters' corps, Baltimore, Md.; Second Lieut. A. Sidney Holbert, G. S. '40, Ft. Bliss, Texas, and Second Lieut. Charles F. Manspeaker, M. I. '40, Philippine department; Capt. Ezra Howard, C. E. '25, Signal office, Ft. Riley.

Judging Class to Abilene

Members of the advanced judging class at the College will attend the Dickinson County Hereford show at Abilene April 24. Prof. F. W. Bell of the Department of Animal Husbandry will accompany the group and will be one of the judges at the show.

Alpha Mu Holds Banquet

Alpha Mu, honorary milling fraternity, held its annual dinner Friday night at the Gillett hotel. Edgar S. Miller of the staff of the Northwestern Miller, Minneapolis, Minn., was the principal speaker.

EVERYDAY ECONOMICS

By W. E. GRIMES

"To understand supply and demand it is necessary to know the conditions under which people buy and sell."

Prices are governed by the laws of supply and demand. To some people this statement is a blind behind which they can hide and not be bothered with further thinking. The statement is true but is so general that it is almost without meaning. The forces of supply and demand are human forces. They express what people are willing and able to do either in selling goods and services or in buying goods and services. In large measure, the forces governing supply and demand are man made. Supply in any given market is made up of a vast variety of human forces. People make decisions or are forced to make them, and these decisions determine supply and demand.

To understand supply and demand

Harlan Addresses Sigma Tau

Hal Harlan, president of the Manhattan Chamber of Commerce, spoke Friday night at the spring banquet of Sigma Tau, honorary engineering fraternity.

HOBBS ADAMS' FOOTBALL LETTER

Any discussion of Kansas State's football outlook for 1941 eventually boils down to this question: "How good are the sophomores?"

Faced with heavy graduation losses of last year's regulars, we must depend largely upon sophomores to fill in as regulars and to form the bulk of the reserve supply. The returning veterans must carry big loads next fall. But the number of experienced men is small and for this reason it is the sophomores who more or less hold the key to the 1941 season.

At the best, sophomores are inexperienced and uncertain. However, I feel this year's freshman squad includes many boys who will make strong bids for regular jobs, perhaps ousting veterans for starting calls.

The six weeks of spring practice which ends Saturday, April 26, has taught us one thing—we have a squad of boys who are eager to play football. They have hustle and determination, qualities necessary for any good team. The sophomores are bent upon making the ball club. If they can't make the grade at one position, some of them probably will be good enough to do it at another.

There is no substitute for experience, especially against such tough opponents as Northwestern, Fort Hays State college, South Carolina and Arizona as well as our conference foes whom we meet next fall. Realizing this, we have held a practice game every week during spring drills to give the sophomores and inexperienced squad men as much work as possible under fire.

Only 13 of last year's 26 letter men will be available next season. Four of these boys are not out for spring practice, and three others are sharing time between football and baseball. Consequently, we have devoted most of our time this spring to fundamental work for the freshmen.

Encouraging has been the progress of the ends and backs. Several freshman wing men with pass-receiving possibilities are giving the veterans a hard run for their jobs. The same is true in the backfield. Freshmen have improved rapidly and should add speed and power to our attack. While the outlook is uncertain, we can assure Kansas State fans they will be represented on the gridiron by a fighting team of boys who love to play the game.

Since I came to Kansas State College, I have had the opportunity to meet many of the school's alumni and friends. Their fine support of the College and its athletics program has been most helpful. In behalf of the coaching staff, I want to express our sincere appreciation for this wholehearted loyalty and invite all of you to drop in at the coaches' office when in Manhattan. We enjoy visiting with you.

Sincerely yours,

Hobbs Adams

WILDCAT CAGE CANDIDATES COMMENCE SPRING PRACTICE

FIVE-WEEK PROGRAM IS PLANNED TO IMPROVE SQUAD

Coach Jack Gardner Centers Attention on Job of Molding Freshmen into Experienced Varsity Possibilities

The job of molding inexperienced freshmen into the Kansas State College basketball team of 1941-42 began last week as Coach Jack Gardner launched a five-week spring practice program.

Freshmen are getting the bulk of attention, with the emphasis on fundamental work. Later Coach Gardner plans to experiment on variations of his offense and work on individual defense as it applies to his style of play.

The first-year men must develop enough to compensate for the loss of four letter men—Norris Holstrom, Topeka, guard and captain; Chris Langvardt, forward; Tom Guy, Coffeyville, center, and Kenny Graham, Framingham, Mass., guard. All are seniors except Guy, who has been called by the army.

Dan Howe, Stockdale, forward, and Larry Beaumont, El Dorado, guard, are the only returning letter men able to report full time for spring practice. Jack Horacek, Topeka, forward, is on the tennis team, while George Mendenhall, Belleville, guard, and Dean Lill, Mt. Hope, center, are out for track.

Among the freshman forward candidates are Fred Kohl, Kansas City, Mo.; Bruce Holman, Powhattan; Leo Headrick, Kansas City; Frank Kirk, Kansas City, Mo.; Calvin Miller, El Dorado; Ken Weaver, Mullinville, and Boyd Rostine, Hutchinson. Center prospects are Darren Schneider, St. Francis; Bill Engelland, Sterling; Jim Green, Manhattan, and Brinton Dirks, Moundridge. Working for regular guard assignments are Eldon Hawks, Nickerson; John St. John, Wichita; John Bortka, Kansas City; Kenny Messner, Arkansas City; Max Roberts, Chanute, and Paul Schroeder, Lorraine.

FROZEN FOOD LOCKER GROUP BEGINS MEETINGS TODAY

Ed Squires, Representative of National Association, Will Attend Sessions on Campus

Kansas State College will be host to the Kansas Frozen Food Locker association for its second annual meeting today and tomorrow.

The conference is sponsored jointly by the association and several College departments. Ed Squires, representative of the national association, will be here for the meeting.

The program for the conference is based on requests received from locker operators in Kansas. The new Kansas code for the frozen food industry will be discussed in a session presided over by N. E. Vandyne, president of the association.

Dr. H. H. Plagge of the Iowa Agricultural Experiment station, Ames, will discuss varieties, preparation and temperatures for fruits and vegetables. The economic plan of the industry will be discussed by R. J. Egert, assistant professor of economics and sociology.

The handling and preservation of poultry and meats will be discussed and demonstrated. Many exhibits pertaining to all phases of the industry will be on display during the conference. A banquet will be held tonight.

LOCAL MINISTERS' DAUGHTERS NAMED TO EDIT PUBLICATIONS

Mary Margaret Arnold and Marjorie Rogers Are Chosen

Two Manhattan ministers' daughters—Mary Margaret Arnold and Marjorie Rogers—have been selected to edit The Kansas State Collegian, semi-weekly student paper, and The Royal Purple, College yearbook, respectively, for the next semester.

Miss Arnold, a sophomore in industrial journalism, is the daughter of the Rev. J. David Arnold, Manhattan's mayor. Miss Rogers, a junior in industrial journalism, is the daughter of the Rev. B. A. Rogers, director of the Wesley Foundation.

William Hall, Phillipsburg, junior in industrial journalism, was named business manager of The Kansas State Collegian, while David Lupfer, Larned, sophomore in chemical engineering, was selected business manager of The Royal Purple.

THE KANSAS INDUSTRIALIST

Volume 67

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, April 30, 1941

Number 28

FAVORABLE ROTC RATING EXPECTED FOR COLLEGE

ANNUAL INSPECTION OF MILITARY UNITS IS HELD MONDAY

Robert Wells, Manhattan, and Charles Adcock, Washington, D. C., are selected for Permanent Army Commissions.

A favorable rating for the Reserve Officers' Training corps as a result of the annual military inspection Monday was predicted today by Lieut.-Col. J. K. Campbell, head of the Department of Military Science and Tactics. The official report of the inspection will not be received for several weeks, but Professor Campbell believes the Kansas State College ROTC units will rank excellent among others in the Seventh Corps area.

Six cadet officers from the Seventh Corps area have been granted permanent commissions in the United States army. Two of these were Robert Wells, Manhattan, and Charles Adcock, Washington, D. C., Kansas State College students.

AWARD HONOR PLAQUE

Company F and Battery H, both Monday afternoon units, were awarded the Honor plaque, given by the Manhattan chapter of the Reserve Officers' association. Cadet Capt. Paul Schafer, Vermillion, commanded Company F, and Cadet Capt. Vincent Ellis, Urbana, Ill., commanded Battery H.

The basis used in selecting these two groups for the award was excellence in drill, appearance and general proficiency. The name of the honor company and battery will be inscribed on the plaque, which will remain on display in the military show case in Nichols Gymnasium.

THREE WIN MEDALS

Medals presented by Mortar and Ball, honorary society for advanced ROTC students, were given to Wayne MacKirdy, Manhattan, son of Lieut.-Col. and Mrs. Howard S. MacKirdy; Robert Schreiber, Garden City, and Harold Davidson, Leavenworth. All are second-year basics of the Coast artillery units.

Reviewing officers for the inspection were Lieut.-Col. William F. O'Conaghue, University of Nebraska, and Capt. Charles H. Stuart, United States army, retired, Washington university of St. Louis. Pres. F. D. Farrell and Honorary Cadet Col. Shirley Karns, Coffeyville, and attendants reviewed the troops on the parade grounds with the inspecting officers.

To Give "Tweedles"

The Manhattan Theatre will present "Tweedles," a comedy by Booth Tarkington, Friday and Saturday at the College Auditorium.

KANSAN WHOSE FIVE SONS ATTENDED COLLEGE IS SELECTED AS REGIONAL AMERICAN MOTHER

A woman whose husband and sons have long been closely associated with Kansas State College has been elected Regional American Mother of Kansas by the American Mother's committee of the Golden Rule foundation. She is Mrs. Martha L. Miller of Salina, wife of A. Q. Miller, Kansas newspaper publisher and professional adviser of the Department of Industrial Journalism and Printing.

Mrs. Miller is the mother of five sons who attended Kansas State College and are now prominent newspaper men. Carl is president and manager of the Pacific coast edition of the Wall Street Journal, which is published at Los Angeles. A. Q. Miller Jr. is general manager of the Ontario, Calif., Daily Report. Luman, editor of the 1938 Royal Purple, is now editor of the Belleville Telescope, one of the state's best weeklies. Merle, a student here in 1935 and 1936, is business manager of the Telescope. Lloyd, graduated from the Division of Engineering and Architecture, followed the engineering profession 12 years before resigning as inspector for the Bureau of Public Roads to purchase the district agency of an insurance company at Salina.

1941 COMMENCEMENT CALENDAR

Class Reunions

'76	'11
'81	'16
'86	'21
'91	'26
'96	'31
'01	'36
'06	

SATURDAY, MAY 24

Alumni Day

- 10-12 a. m. Alumni registration, Recreation Center.
- 12 noon. Class luncheons.
- 2 p. m. Alumni business meeting, Recreation Center.
- 6 p. m. Alumni-Senior banquet, Nichols Gymnasium.

SUNDAY, MAY 25

- 4 p. m. Commencement recital, Auditorium.
- 7:10 p. m. Academic procession.
- 7:30 p. m. Baccalaureate services, Memorial stadium.
- Sermon by Dr. George D. Stoddard, dean of Graduate College, State University of Iowa, Iowa City.

MONDAY, MAY 26

- 3-4:30 p. m. Alumni-Senior reception, President's residence.
- 7:10 p. m. Academic procession.
- 7:30 p. m. Graduation exercises, Memorial Stadium.

DR. F. C. GATES TO TEACH AT MICHIGAN THIS SUMMER

Botany Professor to Conduct Research and Instruct Course in Plant Ecology

Prof. F. C. Gates of the Department of Botany and Plant Pathology will go to the University of Michigan Biological station this summer to teach a course and to conduct research in plant ecology. This will be the 26th consecutive summer that Professor Gates has taught at the biological station, which will conduct its 33rd session in northern Michigan from June 28 to August 23.

The biological station, a regular part of the summer session at the University of Michigan, gives courses and conducts research in botany and zoology. Its faculty and students come from all sections of the country.

The biological station is on a 4,000-acre tract of forest land in the sparsely settled lakes district of Michigan. It has a wide diversity of habitats, including sand dunes, grassy plains, hardwood and coniferous forests, streams, swamps, inland lakes and the Great Lakes, Doctor Gates said.

HIGH SCHOOL STUDENTS MEET HERE IN CONTESTS

COMPETITION IN VOCATIONAL AG BRINGS 1,200

New Attendance Record Is Established for Annual Meetings of Kansas Boys; Banquet Held Monday in Gymnasium

A record total of 1,200 Kansas farm boys attended the annual state high school vocational agriculture judging and farm mechanics contests on the Kansas State College campus Monday and Tuesday. This is the 21st year for the contests and the 13th for the convention of the Kansas chapter of Future Farmers of America.

This year, which saw a new high in attendance, also set a new high in the number of judging teams. One hundred thirty-three teams, 20 more than a year ago, competed in the agricultural contests. Eighty-three teams entered in the farm mechanics contests. There were 64 entries in the better chapter contest and 46 entries in the public speaking contest.

BANQUET ON TUESDAY NIGHT

The contests were climaxed by a banquet given by the Manhattan Chamber of Commerce in Nichols Gymnasium last night. Announcements of the winners of some contests were made at that time.

Monday night the State Future Farmers met and elected new officers. They are: President, George Stelter, Abilene; vice-president, Leonard Sharp, Great Bend; reporter, Keith Loyd, St. Francis; secretary, Merwin Gilmore, Osborne; treasurer, Laverne Oltmier, Olathe; adviser, supervisor, L. B. Pollom, Topeka; executive adviser, Prof. A. P. Davidson of the Department of Education.

SELECT 100 STATE FARMERS

At the meeting of the house of delegates Monday 100 boys were elected and raised to the degree of State Farmer. Roy Hunt, youthful first vice-president of the national association of F. F. A., whose home is in Vine Grove, Ky., spoke before the house of delegates.

DEFENSE TRAINING COURSES TO BE TAUGHT THIS SUMMER

National Approval Is Received for Four Subjects Which College Will Offer

Four defense training courses will be offered during the summer session as a part of the Engineering Defense Training program at Kansas State College. National approval of the courses was received from Washington Friday.

The four courses that will be offered will be materials inspection and testing, engineering drawing, explosives and tool engineering.

A maximum of 330 students may be enrolled in these courses during the summer. Prof. W. W. Carlson, College representative for the engineering training program, said that applications for these courses are being received now.

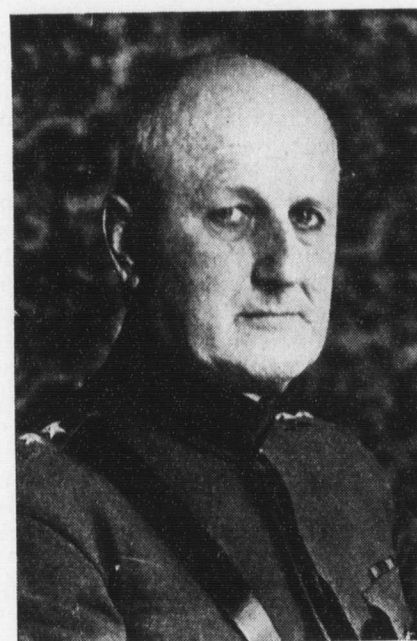
Twenty students completed the explosives course last week. They will be placed in defense industries, where there are more positions to be filled than men to fill them. When these students go to work depends on how soon explosives and shell-loading plants will be built. Dr. W. L. Faith, head of the Department of Chemical Engineering, who is in charge of the explosives course, said that many of these plants were in the stage of construction.

Kansas State College is one of 117 institutions taking part in the national defense training program. According to results of a questionnaire sent out by Dean R. A. Seaton, national director of the program, to the institutions, 102 expressed enthusiastic approval of the defense courses. One hundred three favored continuation of the courses for next year.

Recognition Assembly Thursday

The annual recognition assembly will be held at 9 a. m. Thursday morning.

Banquet Speaker



JAMES G. HARBORD

GEN. JAMES G. HARBORD TO ATTEND COMMENCEMENT

DISTINGUISHED GRADUATE WILL TALK TO SENIORS, ALUMNI

Son of Kansas State College Is Planning to Attend 55th Anniversary of His Class and Participate in Activities

Fifty-five years after his graduation Maj.-Gen. James G. Harbord, a distinguished son of Kansas State College, will return to the campus to be the speaker at the annual Alumni-Senior banquet in Nichols Gymnasium, May 24.

Arrangements were completed Monday by Kenney L. Ford, secretary of the College Alumni association, to have General Harbord of the class of 1886 as the speaker for the banquet at which alumni of the College will honor members of the 1941 graduating class.

LEADING MILITARY FIGURE

James G. Harbord was a leading figure in the United States military activities and post-World war services. He served successfully as Gen. John J. Pershing's first chief of staff, as commander of the marine brigade at Belleau Wood, as commander of the Second division at Soissons, as chief of the services of supply for the American Expeditionary forces, again as chief of staff and after the Armistice as head of an American mission to Armenia. On his return to the United States and in recognition of his important services, General Harbord was commissioned a major-general and again assigned to command the Second division.

In November, 1922, Major-General Harbord retired from active service to become president of the Radio Corporation of America. He was appointed chairman of the board of directors of RCA on January 3, 1930. His address is 30 Rockefeller plaza, New York City.

BORN IN ILLINOIS

Major-General Harbord has long been a loyal and active alumnus of Kansas State College. Only three years ago he established a \$5,000 loan fund for needy students. This loan fund is known as the Effie C. Harbord fund and is a memorial to his mother. The establishment of this loan fund was another chapter in the interesting career of the College's distinguished alumnus.

(Continued on last page)

PAUL B. SAWIN, WHO GOT HIS MASTER'S HERE, STUDIES INDIVIDUAL INTERNAL DIFFERENCES

No two individuals look alike. Zoologists recognize that even a person's insides are different from those of his relatives and associates. How do these internal differences arise? How can they be controlled?

To answer these questions, Prof. Paul B. Sawin, M. S. '25, and his associates of the Department of Biology at Brown university are studying the internal variations in rabbits.

Waldemar Kaempfert, science editor of the New York Times, in a Sunday article in the issue of April 6, wrote as follows of Professor Sawin's work at Brown university:

"Internal differences in body structures are more important than might be supposed. Unusual structures often bring about discomfort or pain, or they can be starting points for diseases of various kinds. Some of us are born with an extra pair of ribs so high up that we get stiff necks easily. Sometimes a pelvis is attached to the spine by two vertebrae instead of one. Certain odd blood-vessel patterns are associated with heart trouble.

"These variations are unmistakably associated with the invisible but highly potent hereditary units in the body cells known as genes, which control the rate of growth of the body and its various parts. To find out more about such complexities of inheritance Professor Sawin has been inbreeding a strain of rabbits which have 13 ribs instead of the usual 12.

"Beginning eight years ago with parents that happened to have this

peculiarity, he has obtained more than 1,500 offspring, with 13 ribs in almost all of them. One family has produced 200 young. All have 13 ribs. Each of six different rabbit families has its own particular pattern of rib variations, as well as of certain blood vessels.

"Professor Sawin and his colleagues are now using embryo rabbits in a series of experiments in which they hope to determine when the extra rib and other irregularities are first formed, and when the growth processes that control them are no longer effective. To fix these limits, which would be a distinct contribution to scientific knowledge concerning growth, Professor Sawin has made a beginning by regulating the food supply that reaches the embryo rabbits through the mother's blood stream. Since most variations are laid down long before birth, the mother must serve as an intermediary.

"So far Professor Sawin has successfully restricted the blood supply of some embryo rabbits without disturbing normal birth. He will try cutting off the blood supply of embryo rabbits at different stages for short periods without disturbing normal birth. The results will help to discriminate between hereditary and environmental influences in growth. He also will try to learn whether the development of extra ribs hinges upon general nutrition, or more specifically upon a difference in the rate of bone metabolism."

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KENNEY FORD Alumni Editor

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WEDNESDAY, APRIL 30, 1941

A CAMPUS IMPROVEMENT

The area west of the north part of Anderson hall has received much improvement recently through the setting of shrubbery. In earlier times the College mail was delivered to the building from the front road. In 1911, the post-office facilities were transferred from the east side of the corridor to the west, and incoming mail was brought to the rear door on the west. From the road to the south-west, the mail truck made a loop around trees and shrubs west of the building, and in 1917 the loop was improved by a heavy coat of cinders. In later years sand was applied. This is a service road for the Division of Extension, the vice-president's office and Recreation Center, as well as for the post-office. Traffic was not confined and an unnecessarily large area was run over and became unsightly.

Last summer the present improvement began by limiting the road by means of a cement curbing. At the same time the surface was heavily sanded. The area adjacent has received intermittent treatment since, resulting in the removal of remnants of an earlier macadamized road to the shops, hauling in good earth and grading for planting. Thick planting of well-grown shrubs has now been made, and there is ample promise that what has been an eyesore in the center of the campus will become a spot of beauty.—J. T. Willard.

BOOKS

More About Textiles

"Textile Fibers and Their Use."
(Third Edition) By Katherine Paddock
Hess. J. B. Lippincott Company. New
York. 1941. \$2.40.

Ten years ago when the first edition of this book appeared, the volume was one of the smallest of the textbooks that had been prepared up to that time by members of the home economics faculty of Kansas State College. Since that time the author has been hard at work to increase the knowledge of textiles and their use through research at the College laboratories and elsewhere and through extensive travel in this country and abroad. As a result the second edition, published five years ago, excelled its predecessor and the present volume of more than 500 pages is larger, more attractive and more useful to students and to consumers than either the first or the second edition.

Owing to technological progress, changes affecting textiles and their use occur with great rapidity. Changing relations of raw silk and rayon are a case in point. In 1929, the annual consumption of raw silk in the weaving industry of the United States was 59 million pounds and that of rayon was 48 million pounds. Ten years later, in 1939, the corresponding figures were nine million pounds of raw silk and 286 million pounds of rayon. This change has great significance for both manufacturers and consumers.

Like its predecessors, the present volume was written primarily for consumers, actual and prospective. It is a textbook but it is also a fascinating treatise on the history, the cultural significance and the technology of textiles. It begins with a discussion of the construction, finish and design of textiles and continues with informative chapters on the classification of textile fibers, on the major textile materials—wool, silk, cotton,

linen and the synthetic fibers—and on the consumption, selection and care of fabrics. There is a wealth of material on the historical, chemical, physical, social, economic, industrial and aesthetic features of the various subjects.

One notable feature of the book is the extent with which all the essential processes by which a textile material is made available to consumers are discussed. The chapters on cotton, for example, contain information about the cotton plant's requirements of soil and climate, about the planting, harvesting, ginning, baling, classification and grading of cotton and about the manufacture and use of cotton goods.

Almost 300 excellent illustrations constitute another notable feature of the book. The subjects illustrated cover a wide range. They include cross sections of textile fibers; sheep-shearing and cotton-growing operations; sheep, goats, llamas, alpacas and other textile-producing animals; famous paintings and tapestries and many other subjects.

The author contends convincingly that there is need for a "wider understanding of the factors influencing textile consumption" and that such understanding "can be created only by intelligent study of the phases of the textiles industry." That industry is more extensive and more significant, economically and culturally, than most of us comprehend. The book is an attractive and important contribution to the development of the increased understanding that the author recommends.—F. D. Farrell.

THE MIRROR

Annual Quill Club Magazine

Another year has passed, and again the student members of the Kansas State College Quill club, with some editorial help from the College faculty, have edited their annual issue of The Mirror, a magazine of original poetry and sketches written by college students.

While far above preceding issues of The Mirror in value and literary talent, this year's magazine is still spotty, showing in many cases a lack of mature reflection, and the selection of material inconsistent with the ability of the writer to express it.

Outstanding are the two poems of Hurst Majors Jr., "City Street" and "Answer to Leonidas." These show definitely an imaginative quality and the ability to present information far above the average college student. "Four Stanzas" by John Parker also show a high quality of workmanship.

On the whole, the poetic content of the magazine falls short, however, of the poetic principle. If one accepts the definition of good poetry as "thoughts remembered in tranquillity," then I am afraid the lack of sincerity in the subject matter of most of the poetry has come about through a lack of application of that principle.

The prose content of the publication far excels the poetic. "John William," a character sketch by Marianna Kistler, especially held my interest, as did "A Part of Me Smiles, Too," a sketch of her mother by Merry Carroll. Robert Crow also shows his talent with two small essays, "Immortality—To Walt Whitman," and "I Must Not Think."

In commenting upon the work as a whole, my greatest criticism would be that the authors have forgotten that the material which is closest to them and which is most familiar to them is the material with which they do their best work. In every effort shown here, however, there is much merit. One has a feeling, after reading the work, that here, in this small volume, are to be found some of the people whom we will be reading in the years to come and reading with true enjoyment.—F. A. Peery.

Mr. Peery is an instructor in the Department of English.

FARMERS AND THEIR TRUCKS

American farmers own and operate 1,000,000 trucks, and so anything that concerns highway barriers between states is of vital importance to them. According to the United States Department of Agriculture, 53 percent of the livestock, 27 percent of butter, 39 percent of cake, 65 percent of the live poultry, and 40 percent of fruits and vegetables are moved from farm to market by truck.—From Highway Highlights.

Doctrine is nothing but the skin of truth set up and stuffed.—Henry Ward Beecher.

SCIENCE TODAY

By LEON V. WHITE

Associate Professor, Department of
Civil Engineering

When viewed from a point of vantage, a great flood is a majestic and fascinating sight, but nevertheless, a relentless destroyer of lives and property.

Tidal waves caused by earthquakes and hurricanes have caused disastrous floods along the sea coasts.

The Johnstown, Pa., flood of 1887, in which 2,200 lives were lost, was due to the failure of a dam.

The most common cause of floods, however, is excessive precipitation. Somewhere in the world there is always a river in floodstage. Floods in river valleys are caused by a combination of natural conditions which engineers generally divide into three types: (1) intense precipitation of the cloudburst type, falling over small, hilly watersheds; (2) prolonged rainfall of a heavy nature falling for several days over a large watershed; (3) warm rains of spring falling on accumulated snow. Cloudbursts caused the Cabin Creek, W. Va., flood of 1916 and the Pueblo, Colo., flood of 1921. Hundreds of lives were lost, thousands made homeless and property damage ran into millions of dollars.

In 1927 occurred the most disastrous flood in the Mississippi river's history. Flood protection of the Mississippi valley became a national issue, and Congress appropriated millions of dollars for the flood protection works. A board consisting of army and civilian engineers was created, and a plan of protection was formulated. This plan, known as the "Jadwin Plan," provided for more and higher levees; cutoffs across large oxbow bends; for by-passes and floodways (that is, using the natural flood plane or channel of the river through the poorer land of the valley, backwater areas and sections into which the water would escape in extremely high floods), and detention reservoirs on the tributaries. The protection works on the lower river were nearing completion in 1937 when the great flood on the Ohio river occurred. At Cincinnati and Knoxville, the previously recorded high-water marks were exceeded by 10 feet. The protection works on the Mississippi were given a severe test, but they held. The fight at Cairo, Ill., was dramatic. It was front-page news. For several days in succession,

the newspapers told of how the waves lapped the very tops of the hastily built up mud sills on top of the concrete levee that surrounded Cairo. Only inches held "Old Man River" away, but it was enough; they finally whipped him.

The Republican river flood in Kansas in 1935 was the greatest in the memory of the white man. This, in spite of the fact that 1935 was a drought year. May, however, was a wet month, more than four inches of rainfall on the average falling over the entire state. It is interesting to note, from a study of the rainfall data, that had the storm center that caused the Republican river flood of 1935 been shifted to the south some 30 or 40 miles, more precipitation would have fallen on the Republican river watershed and, consequently, the flood would have been greater.

In general, there are three methods of flood protection: (1) by channel improvement, (2) by levees and (3) by detention reservoirs or retarding basins. The first two methods give flood control by hastening the flow of water from the watershed; the third operates in an opposite manner by retaining the flood water in storage reservoirs, releasing the water gradually and limiting the water to the quantity which the channel will safely carry. Of the latter type is Kanopolis dam and reservoir on the Smoky Hill river in Kansas, now under construction. Its location is about 30 miles southwest of Salina.

The flood protection engineer must compromise with the elements. He may build works for, say, the greatest flood that records show has occurred in an average period of 25 or 50 years. Rarely may he design flood-control structures capable of taking care of the maximum possible flood, because such a flood is not likely to occur more often than once in several hundred or a thousand years. Besides, the cost would be prohibitive. Violent storms have occurred, producing rain and runoff in such tremendous volumes that it is beyond man's ingenuity to build structures that will stand against them.

The next flood may not occur for many years. Again, it may arrive tomorrow. But it will come, as surely as time lasts. There is no foretelling its occurrence. Floods are as full of vagaries as the weather, which causes them.

L. Morgan, '01, who completed two terms in that office. Mr. Boyd also was elected president of the Phillipsburg Chamber of Commerce.

THIRTY YEARS AGO

Miss Flora Knight, assistant in English, judged a five-county district debate and declamatory contest at Marysville.

Edwin L. Holton, professor of rural education, was appointed director of the summer session for teachers and prospective teachers.

Dr. Arnold Emch, M. S. '94, associate professor of mathematics in the University of Illinois, read a paper at the annual meeting of the American Mathematical association in Chicago.

FORTY YEARS AGO

George W. Smith, '93, graduated from the Chicago Homeopathic Medical college, Chicago.

J. W. VanDeventer, '86, was secretary of the Colorado Book company, Sterling, Colo.

Professor Stoner read a paper on "Scotch Scientists and Philosophers" before the Manhattan Domestic Science club at the regular meeting of the organization.

FIFTY YEARS AGO

Regents Finley and Wheeler met in Topeka with President Fairchild.

Mr. Mason attended the meeting of the World's Fair committee, at Topeka, as delegate from the Manhattan Horticultural society.

Regent Finley represented the Board of Regents, Regent Wheeler the Board of Agriculture and Regent Caraway the committee of Barton county in the Columbian Exposition convention.

SIXTY YEARS AGO

It was announced that the Davis county institute would be held in July

with Prof. Robert Hay as conductor.

Dr. Wendell Williston, under the auspices of the Webster society, gave a lecture in chapel on the subject, "Some Fossil Wonders of America."

An article, "Tame Grasses," by E. M. Shelton, managing editor of THE INDUSTRIALIST, appeared in the quarterly report of the secretary of the Board of Agriculture.

KANSAS POETRY

Robert Conover, Editor

THINK BEAUTY

By May Frink Converse

We must think of beauty—in a world where wings of battle are unfurled, Where war's aggression spreads its blight, And crash of bombers shatters night.

We must think of beauty—let the mind Diffuse the glory it can find, Catch strains of music in the air, See grace of movement everywhere.

We must think of beauty—give the heart Hope and courage from the start, Let clouds surrounding matter less Than silver edge of loveliness.

COMPENSATION

By May Frink Converse

She married and lived on a lonely ranch far away from a town or city, Her relatives said, what a tragic lot, and regarded her with pity.

But she loved the walks down to the well with both of her buckets swinging, And the sight of a lovely cottonwood could set her heart to singing.

May Frink Converse (Mrs. Asa F. Converse) of Wellsville attended Ot-tawa university. She is the wife of the editor of the Wellsville Globe, and for a number of years has contributed a weekly poem and a column which she calls "Converse-ation." Mrs. Converse has been successful selling poems, articles and sketches to various publications, and winning a number of prizes.

SUNFLOWERS

By H. W. Davis

FUN AT HOME

One of the best ways of having fun at home is dumping your guests in the middle of the floor by tripping them into trying out your antique chairs.

It is no trouble at all to take a chair from great-aunt Abigail's woodshed and patch it up with six cents' worth of glue, stain and furniture polish so that even a 250-pound adult will risk his or her pelvic integrity in it.

One element of the fun is surprise. Even you yourself cannot tell when an antique is going to collapse, which one of your friends is going to sprawl or whether an ambulance will have to be called.

For instance, one of our most dependable crates went into a tail-spin the other afternoon without any warning whatsoever. A guest lowered himself into it with all the caution and aplomb Emily Post could advise. Suddenly there was a crack and a splintering, the guest listed precipitately to starboard and before anybody could say Omigodness he was holding a solo mass meeting all over the floor.

Fortunately he was not fatally nor even critically injured. So all the other guests and the family had a jolly laugh at his expense, for he looked awfully spread out there with the rugs and the coffee tables and all. He was a good sport too and laughed with the rest and so far has not filed suit.

Of course you cannot continue that sort of entertainment indefinitely. It finally sort of palls on your incoming friends and they begin preferring the rugs and the built-in window-seats.

It is then time for Mother to begin wondering why Father cannot fix things so they will stay fixed. This leads to a lot more fun for Father in the basement, hunting screws and right-angle steel braces and I-beams and such. Then come varnish-removers and refinishing and the advice appertaining thereto. Indeed, it is hard to tell just what the collapse of a single antique may lead to.

But the fun everybody else has is worth all the trouble Father is put to, no matter what he may think and want to say. There's so little else left to laugh about in this distraught world. From now on my motto is:

Antiques for amusement only, To the ash-can with Art.

AMONG THE ALUMNI

William H. Sikes, B. S. '79, is a merchant in Leonardville.

Bartholomew Buchli, B. S. '84, M. S. '87, a retired farmer and stockman, lives at Alma.

Arthur Mize, f. s. '86, is president of the Blish, Mize and Stillman Hardware company, Atchison. His home is in Atchison.

Christine M. Corlett, '91, writes that she will attend her class reunion in May.

"After the reunion I will go on to California to live," she said. "I taught school 25 years. I hold a high school state professional certificate. I was employed in the United States government service 22½ years. Retired from this December 1, 1940. In between times I took up a homestead in Oklahoma, which I still own.

"I am proud of the fact that I was born in the finest country in the world, and, while a native of New York, I grew up and received my education in one of the best of the 48 states. I am proud of my College and of my Nation, but most proud of the beautiful flag whose 'broad stripes and bright stars' are a symbol of the protection we, as United States citizens, will always receive."

Charles Jay Burson, B. S. '01, is planning to be here "definitely" for his class reunion. Mr. Burson, 215 South Fifth, Manhattan, has six children. Five of them are graduates of Kansas State College, and the sixth will graduate. He thinks that Bryant Poole, '01, should be questioned about the cornerstone of the class of 1900 was putting on the campus.

Robert H. Wilson, D. V. M. '09, and Mary (Haney) Wilson, f. s. '05, live at 1214 North Main street, Rochester, Mich. Doctor Wilson is senior veterinarian there with Parke, Davis and company.

Alfred L. Clapp, Ag. '14, M. S. '34, is professor of agronomy, Division of Agriculture, at Kansas State College. The Clapps live at 1109 Kearney, Manhattan. Faye, a daughter, is a sophomore in the Department of Industrial Journalism and Printing.

Edna M. Wilkin, H. E. '20, is head of the Department of Home Economics and is teaching clothing and textiles in the Stephen F. Austin Teachers' college, Nacogdoches, Texas.

Gerda (Olson) Matson, H. E. '21, recently moved from Iowa Falls, Iowa, to Kanawha, Iowa. Her husband is T. F. Matson, a '16 graduate of Iowa State Teachers' college.

Dorothy (Churchward) Beal, H. E. '23, 3916 Edgemont place, Wichita, and Claude E. Beal have three sons. They are Robert Clyde, 9; John Churchward, 6½, and David Brown, 4.

Werner J. Blanchard, G. S. '24, is general manager of the aeroproducts division, General Motors corporation. His business address is Municipal airport, Dayton, Ohio. His residence is 422 East drive, Dayton.

Grace Steininger, H. E. '25, director of the school of home economics at Ohio university, Athens, wrote: "I have been spending my leisure hours buying furniture for a small apartment up on North hill. We are all enjoying Margaret Owen, '40, who has a fellowship here."

Mary (Haise) Wright, Ag. '26, has a poem published in the Ordway New Era, a paper printed in Colorado, former home of the Wrights. The poem, "The Memorial Day Parade," voices many feelings that are prevalent today. The Wrights live at Encanto, Calif., where Floyd M. Wright, M. S. '25, is a dairy chemist.

Elizabeth (Mills) Elliott, '27, and her family are moving to Route 2, White City. Her husband, Wilfred Elliott, and three little girls are moving onto a farm there.

Mildred (Skinner) O'Keefe, H. E. '28, wrote April 2: "Will you please change my address from Montgomery, Ala., to Carlisle Barracks, Pa., where Lieutenant O'Keefe is to have 30 days' training in the United States Medical Field Service school. At the expiration of that time we will be located at Ft. Oglethorpe, Ga., where Lieutenant O'Keefe is to be assigned to the Fifteenth Medical regiment, United States army."

Isabelle (Gillum) Dubar, M. S. '29, and Frank Dubar recently purchased and established a restaurant which

they call "Dubar's" at 58 West Fifty-Sixth street, New York City. She was formerly dietitian in a New York hospital.

Iva (Larson) Flood, M. S. '29, writes: "John C. Flood and I were married in the Church of Our Father in Detroit on December 14. Mr. Flood is a builder in Wyandotte and Lincoln park. We'd be happy to show you our model homes when you come this way."

Grace (Reed) Kendall, P. E. '30, and Dr. Forrest H. Kendall, 702 West Fifth street, Holton, have a son, Forrest Kendall Jr., who is 3 1-2. Doctor Kendall has an osteopathic practice in Holton.

A letter from the Harvard University press gives information about a recently published book, "Family and Community in Ireland," written by Solon T. Kimball, I. J. '30, and Conrad M. Arensberg. The authors spent two years in Ireland and especially made a study of the people and life of County Clare. Doctor and Mrs. Kimball and their daughter, Sally, who now live at Window Rock, Ariz., spent the Easter holidays in Manhattan with Doctor Kimball's parents, Mr. and Mrs. C. A. Kimball.

Mary Elizabeth McCroskey, H. E. '31, is home demonstration agent at Rockport, Mo.

Bruce Pratt, M. E. '31, is track supervisor for the Rock Island railway. He and Inga (Ross) Pratt, H. E. '25, live at Booneville, Ark.

L. A. Jacobson, Ag. '32, is district soil conservationist for Geary county. His address is 424 West Fifth street, Junction City.

The address of George Telford, C. '33, is Educational office, CCC camp, Death Valley, Calif. He is teaching at the camp, which is located at sea level, across a valley from Telescope peak, the highest mountain in the United States.

Nils I. Saven, E. E. '34, is meter specialist in the Chicago office of the General Electric company. He and Mrs. Saven live at 1383 Greenleaf avenue, Chicago.

George A. Rogler, Ag. '35, has moved to 408 Fifth street, N. W., Mandan, N. D. He will be back at the University farm, St. Paul, Minn., for more work in plant genetics next winter.

George L. Jobling, Ch. E. '35, 228 Congress street, Prescott, Ariz., is with the Arizona Mining and Supply company.

Eleanor May Wilkinson, H. E. '36, M. S. '38, is home economist for the Family Welfare association in Baltimore, Md. Her address is 413 St. Paul place.

C. Fred Samp, M. E. '37, is now working at the Neosho station of the Kansas Gas and Electric company, which is an electric bond and share subsidiary. He visited the campus this spring.

Fred M. Crawford, Ag. E. '38, is a second lieutenant with the Seventy-Fifth Coast artillery, Ft. Richardson, Anchorage, Alaska. He wrote: "As a matter of record, since leaving Kansas State, I have received a master's degree in agricultural engineering (farm structures major) in 1939 from Iowa State college at Ames. After that I was employed by the International Harvester company at Ottawa, Ill., and the Soil Conservation service at Mandan, N. D., until I entered the army on July 5, 1940. There are two other K. S. C. grads here with the same address as mine—First Lieut. O. M. Wells, E. E. '34, and Second Lieut. W. E. Burrell, M. E. '40."

Charles E. Mitchell, G. S. '39, has written of his marriage to Evelyn Ruth Wilson, H. E. '38, last fall. He is now with the Illinois Agricultural Experiment station, Urbana, Ill.

Katherine (Weldon) Washburne, H. E. '40, and John H. Washburne, G. S. '40, are now at Waterbury, Conn. Mr. Washburne is affiliated with his father in the firm of Washburne and Washburne Real Estate company, Waterbury, Conn.

George Kleier, Ag. '40, writes: "I changed positions the first of April. I am now at Memphis, Tenn., for the Southern Stockman, a livestock paper just started by a Kansas State graduate, Frank Farley Jr., '39. It is published to promote better livestock in the South. I am to handle the advertising—we'll handle commercial and livestock ads. This is a continuation of work I've been doing, where I received very valuable experience. My address is the Southern Stockman, 622 Falls building, Memphis, Tenn."

LOOKING AROUND KENNEY L. FORD

Plan Biggest Reunion

Zane Fairchild, Omaha, is still beating the drums for the largest class reunion ever held on the campus. He says the '16's will win that honor this commencement, May 24-26. He writes:

"Tell the folks that our class dinner is going to take place at 6:30 p. m., Friday, May 23, at the Wareham."

"Also tell them that response to our meeting notation is fine. We are having new returns every day—the latest being from Ralph Erskine of Washington, D. C., Corrine (Myers) Gatewood from Ohio, 'Torchy' Maury from Kentucky, Bob Lancaster from Texas and Paul Robinson from California."

"We expect the largest attendance at this reunion of any ever held at Manhattan, and the returns at this date are exceeding our fondest hopes."

MARRIAGES

HIRMON—MOSS

The Rev. William U. Guerrant read the marriage vows for Gayle Hirmon, Belleville, and Leland M. Moss, Ar. E. '40, September 6. They are at home in Emporia, Mr. Moss' headquarters in his work for the Campbell Taggart Associated bakeries, Inc.

McDONALD—WECKERLING

The marriage of Luella Anna McDonald, f. s., to Leonard E. Weckerling, C. E. '38, took place September 7. After a wedding trip to Colorado, the couple returned to Holton, where Mr. Weckerling is working with the State Highway commission.

FLOOD—CROWLEY

The wedding of Claudine Flood and Allen Crowley, I. C. '38, took place August 31 in Bowling Green, Mo., where the couple will make their home. For the past two years, Mr. Crowley has been employed by the Continental Oil company there.

EBBUTT—UNDERWOOD

Edith Ebbutt was married to Ernest J. Underwood, C. E. '32, September 2. Mr. Underwood is a civil engineer in the construction department of the Kansas State Highway department. His work is in Mankato, where the couple are at home.

JELINEK—MEREDITH

Mae Dee Jelinek, f. s., and John A. Meredith, C. E. '34, were married September 1. Mrs. Meredith attended Kansas State College and Brown Mackie's School of Business in Salina. Mr. Meredith is affiliated with the Kansas State Highway department in Great Bend.

HORNER—ELLIOTT

Maxine Horner, f. s., became the bride of Howard S. Elliott, Ag. '39, on September 15. After the ceremony, Mr. and Mrs. Elliott left for a trip to Des Moines, Iowa. Mr. Elliott is a farm security supervisor of Ness and Lane counties with headquarters in Ness City.

HEINE—LOW

Herbert M. Low, E. E. '24, Prof. Deg. '31, has written of his marriage August 26 to Rose A. Heine. He has severed his relations with the Phillips Petroleum company and is now associated with the Dow Chemical company as assistant electrical superintendent. His address is Box 206, Freeport, Texas.

WUNDERLICH—HAZELL

Erma Gene Wunderlich, H. E. '40, and Gordon G. Hazell, Ar. '40, were married September 13. Mrs. Hazell is a member of Delta Delta Delta sorority. Mr. Hazell is a member of Sigma Nu fraternity. He is architect and salesman of the A. J. King Realty company. They are living at 4021 Walnut, Kansas City, Mo.

HUTTER—GARVIN

The marriage of Estella Hutter, f. s. '40, to Arthur R. Garvin, Ag. '40, took place in St. Joseph's Catholic church, Washington, D. C., on August 24. Mrs. Garvin, a member of Phi Omega Pi sorority, and Mr. Garvin live at 308 Fifth street, Southeast, Washington, D. C. Mr. Garvin is employed in the Census bureau there.

SHRIVER—LANDSBERG

Irene Shriver, f. s. '40, and Lewis E. Landsberg, Ag. '40, were married

September 1. She is a member of Clovia sorority and Mr. Landsberg belongs to Alpha Gamma Rho fraternity. They live in Mankato, where Mr. Landsberg is employed as assistant supervisor of the Farm Security administration in Jewell county.

GLANZER—KRENZIN

An early spring wedding was that of Esther Glanzer and Ralph Edward Krenzin, Ag. '39, on March 30. Mrs. Krenzin attended the Randolph high school and is a graduate of Stewart's Academy of Beauty, Topeka. Mr. Krenzin is employed with the Kansas Extension service as assistant county agent at Wellington, where they make their home.

HUNDERTMARK—PIKE

Darlene Hundertmark became the bride of Leonard M. Pike, Ag. '30, September 29. Mrs. Pike is a graduate of Christ's hospital school of nursing, and for the past three years has been surgical nurse in the Junction City hospital. Mr. Pike is a member of Lambda Chi Alpha fraternity, and Phi Delta Kappa, professional educational fraternity. He teaches vocational agriculture at Miltonvale, where the couple live.

KEIM—HONSTEAD

The marriage of Virginia Keim, M. S. '39, and William Honstead, Ch. E. '39, was September 25. Mrs. Honstead was a graduate assistant in the nursery school while working for her master's degree here. After receiving her degree, she was instructor in the Department of Child Welfare and Euthenics last year. They are living at 556 Auburn street, Buffalo, N. Y. Mr. Honstead is employed by the American Aniline and Dye company, Buffalo.

BIRTHS

John G. Hemphill, D. V. M. '37, and Dorothy (Rowland) Hemphill, f. s., have named their daughter, born April 3, Caralee. They live at Route 1, Norman, Okla., where Doctor Hemphill has a private practice.

Wayne C. Whitney, Ag. '37, and Lucille (Titus) Whitney, H. E. '31, of Bonner Springs are the parents of a son, Richard Wayne, born February 9. Mr. Whitney is horticulture specialist for Wyandotte county.

Karen is the name chosen by Franklin Thackrey, I. J. '33, M. S. '34, and Jessie (Dean) Thackrey, I. J. '34, for their daughter born April 11. Mr. Thackrey is assistant extension editor at the University of Nebraska, Lincoln.

Warren C. Jackson, M. E. '39, writes: "My wife, formerly Berniece Moll, and I have a daughter, Barbara Bee, born March 6. I am still employed as junior engineer with the Federal Power commission. We live at 486 South Pearl, Denver, Colo."

The tiny calling card of Nancy Jane Harris has been sent attached to that of her parents, Harold Harris, E. E. '37, and Zelda (Kleven) Harris, H. E. '35, announcing her arrival March 3. The Harris's live at 7619 Dale avenue, St. Louis. Mr. Harris is with the Graybar Electric company, Inc.

To Lowell Myler, Ag. '37, and Dorothy (McKeen) Myler, H. E. '39, a daughter, Shirlee, born March 28. Mr. Myler got his master's degree in 1938 in agronomy from the University of California. He is now associated with the Agronomy department there. The Mylers live at 504 F street, Davis, Calif.

Carter H. Anthony, D. V. M. '40, and Mary Frances (Davis) Anthony, H. E. '39, have a new daughter, Judith Tolerton, born March 15. The Anthonys live at 617 Oakland street, Fayetteville, Ark. Mr. Anthony is poultry pathologist with the Department of Bacteriology and Veterinary Science at the University of Arkansas.

RECENT HAPPENINGS ON THE HILL

Prof. R. J. Pool, head of the Department of Botany at the University of Nebraska, was a guest speaker of Sigma Xi, honorary science society, last week when the society held its annual initiation exercises for new members.

If the result of a debate last week spells anything, dutch dating will replace straight dating on Kansas State College's campus. Representatives of the Athenian Literary society, according to the judges, won the debate, "Resolved: That dutch dating should replace straight dating on the K-State campus."

Mary Griswold, Manhattan, succeeds Jennie Marie Madsen, Dwight, as president of the Women's Senior Panhellenic. Miss Griswold, Chi Omega, was elected at the council's meeting last week. Margaret McClymonds, Lincoln, Neb., Alpha Delta Pi, was elected vice-president. Marjorie Benson, Sabetha, Kappa Kappa Gamma, was chosen secretary-treasurer.

Almost four decades ago the Hamilton and Ionian Literary societies had their first egg roast. They had their 37th last Sunday morning. Stated for next Sunday is another outing for two literary societies, this time the Browning and Athenian organizations. The Athenians will entertain the Brownings at an Owl Bake at 4 a. m.

A boom in ice cream sales was brought on at the College dairy counter this week when farm boys attending the Future Farmers of America conference dropped in throughout the day to refill. Jim Cavanaugh, Dodge City, reported that the three-man crew sold 2,400 ice cream cones, dishing them out at a rate of 260 cones an hour or a little more than four cones a minute. On an average day, only 500 cones are sold.

Sponsoring movies is a popular activity with organizations on the hill. Mu Phi Epsilon, honorary music fraternity for women, is sponsoring "Pinocchio" showing four days, beginning Sunday. Theta Sigma Phi, honorary and professional fraternity for women in journalism, is sponsoring "Keeping Company," with Frank Morgan and Ann Rutherford. This show will run for three days immediately after "Pinocchio" at the same theater.

DEATHS

MORGAN

A brother of Clarence W. Morgan, B. S. '01, only recently sent word of his death December 28, 1938. Mr. Morgan was a farmer at Gretna.

REEVE

Mark Alexander Reeve, f. s. '78-82, died April 4 at his home in Wichita. He had been ill only two days.

He had been a resident of Kansas since territorial days, spending his boyhood among pioneer settlers in Lyon county and his young manhood in southwestern Kansas when that was cattle country. After retiring from a life of pioneer farming, he went to Wichita in 1925 and devoted his last years to building up and arranging the exhibits in the Friends university museum.

Alma (Halbower) Giles, '14, Wichita, sent the clipping announcing his death and wrote, "He was a most remarkable man. In my mind, the best educated person in Wichita in the real sense of the word. Friends university and Wichita have suffered a great loss with his death."

ALUMNI-SENIOR BANQUET RESERVATIONS

I will attend alumni day activities May 24. Reserve..... tickets to the alumni-senior banquet, starting 6 p. m. Saturday. Tickets are \$1.50 each—good for banquet and dance. Reservations will be held until 2 p. m. Saturday.

Signed

Address

Clip and Mail to the Alumni Office

WILDCATS RECAPTURE COLORADO RELAYS TITLE

KANSAS STATE TRACK MEN SCORE
23 POINTS TO WIN

Mile Team Sets New Boulder Meet Record of Three Minutes, 20.1 Seconds, Breaking Previous Mark Made in 1934

Winning five firsts and placing five times in 13 events, the Kansas State College track men collected 23 points and recaptured the Colorado Relays championship at the meet in Boulder Saturday. They won the championship for the first time in 1939 but lost it to Colorado in 1940.

The Wildcat mile relay team of Jim Upham, Junction City; Jim Johns, Topeka; Bill Burnham, St. Francis, and Sammy Johnson, Oswego, raced through the distance in 3:20.1 to break the six-year-old record of 3:20.5, set by Greeley State college in 1934. The Wildcat aggregation won four relay events at the meet, every event of that kind at Boulder.

WIN 440-YARD RELAY

In the 440-yard relay, Henry Haeberle, Clearwater; Don Kastner, Manhattan; Merrill Rockhold, Herington, and Louis Akers, Atchison, turned in the time of 43 seconds to win the event.

In the 880-yard relay, Upham, Johnson, Akers and Johns were victorious for the Wildcats in 1:29.5. In the two-mile relay, Don Borthwick, Beeler; Thaine High, Abilene; Don Ade, Wells, and Loyal Payne, Manhattan, led the way to the tape in the time of 8:27.5.

Ed Darden, Manhattan, picked up the only individual victory for the Wildcats when he covered the 110-yard high hurdles in 15 seconds. George Mendenhall, junior from Belleville, ran in fourth place in the event.

THIRD IN SHOTPUT

Other Kansas State placings in the meet were: Ken Makalous, Cuba, third in shotput; mile relay team of High, Borthwick, Ade and Miller, second; broad jump, John Fieser, Norwich, third, Merrill Rockhold, Herington, fourth.

STATION RESEARCH SHOWS SMUT AT VARIED CONDITIONS

Infection Occurs Over Wide Range of Soil Temperatures and Moistures, Experiments Indicate

Kansas Agricultural Experiment station experiments show that smut infection occurs over a wide range of soil temperatures and soil moistures.

Heavy smut infection occurs at any temperature below 75 degrees Fahrenheit, which allows the seed of Kafir to germinate; in fact, low temperatures consistently are associated with high smut infection. It seems that in as far as soil moisture is concerned, smut infection may occur whenever the moisture is such that seed of sorghum germinates readily.

As the spores of fungus causing this disease in sorghums are carried over winter on the sorghum seed, seed disinfection or treating of seed before planting will kill the spores and remove the cause of this disease. Experiments have proven that copper carbonate when properly applied to sorghum seed before planting gives effective control of this disease.

Copper carbonate is applied at the rate of two to four ounces to each bushel of seed, depending upon the copper content. The 50 percent copper content carbonate is applied at two ounces to the bushel and the 18 percent copper content at four ounces to the bushel. Any seed treater which will give the seed and dust a thorough mixing can be used to apply this chemical. Many times an old cream can or gallon bucket makes a satisfactory container to mix the seed and dust. The essential thing to keep in mind is that each seed must be coated with copper carbonate if effective control is to be secured. This seed may be treated as planted, or it may be treated in advance of planting and stored.

Porter Named Captain

Jerald Porter, a sophomore from Dellvale, has been named captain of Coach B. R. Patterson's Kansas State College wrestling team for the 1941-42 season. Porter competed in the 145-pound class. He is a brother of Leland Porter, outstanding performer the past season who scored 59 points to win the College's high point trophy.

List of Army Officers, Trained at College

The following College graduates and former students are serving in the infantry of the United States army:

First Lieut. Orval J. Abel, G. S. '35, Ft. Benning, Ga.; Second Lieut. Kirk E. Adams, f. s., Ag. '40, Ft. Lewis, Wash.; First Lieut. William E. Bentley, f. s., Ag. '38, Ft. Sam Houston, Texas; First Lieut. Charles F. Bredahl, Ag. '37, Ft. Snelling, Minn.; Second Lieut. James C. Brock, Ag. '40, Ft. Huachuca, Ariz.

Capt. A. M. Brumbaugh, R. C. '27, quartermaster general's office, Washington, D. C.; Second Lieut. Thomas O. Bush, f. s., G. S. '40, Department of Hawaii; Second Lieut. Theodore S. Clark, B. A. '40, Ft. Huachuca, Ariz.; Second Lieut. James F. Cooper, I. J. '40, Camp Roberts, Calif.; Second Lieut. Charles J. Davidson, f. s., G. S. '40, Ft. Ord, Calif.; Second Lieut. Hyatt L. Davidson, f. s., G. S. '40, Department of Hawaii; Second Lieut. Roger S. Dildine, f. s., I. C. '40, Ft. Ord, Calif.; Second Lieut. Henry H. Farrar, G. S. '40, Ft. Snelling, Minn.; Second Lieut. Richard G. Freeman, f. s., Ag. '40, Ft. Benning, Ga.

Second Lieut. Sidney L. Harry, f. s., B. A. '40, Ft. Sam Houston, Texas; First Lieut. George T. Hart, I. J. '37, Kansas State College; Capt. A. W. Higgins, G. S. '29, Ft. Crook, Neb.; First Lieut. James W. Hunter,

Ag. '33, Ft. Huachuca, Ariz.; Second Lieut. Calvin M. Jenkins, G. S. '40, Ft. Ord, Calif.; Second Lieut. Carl W. Miller, C. '39, Ft. Sam Houston, Texas; Maj. Howard G. Faulkner, f. s., Tractor Short Course, '20, Kansas City, Kansas Military district, infantry executive; Second Lieut. Edward C. Moore, C. '39, Ft. Warren, Wyo.

Second Lieut. Arthur T. Mussett, f. s., Ag. '40, Ft. Ord, Calif.; Second Lieut. Chester D. Nielson, B. A. '40, Ft. Ord, Calif.; First Lieut. Paul E. Pearson, C. '31, Ft. Sam Houston, Texas; First Lieut. Milfred J. Peters, I. J. '34, Kansas State College; Second Lieut. George E. Powell, B. A. '40, Ft. Sam Houston, Texas.

Maj. Harold B. Riley, Ag. '23, headquarters, Seventh Corps area, Omaha, Neb.; Second Lieut. Carl R. Sandstrom, C. '38, Camp Murray, Wash.; Second Lieut. Richard J. Seitz, f. s., Ag. '39, Ft. Douglas, Utah.

First Lieut. Allan E. Settle, I. J. '37, Public Relations office, War department, Washington, D. C.; Second Lieut. Otto F. Spencer, Ag. '40, Ft. Bragg, N. C.; First Lieut. Robert V. Vaupel, C. '33, Camp Walters, Texas; Second Lieut. Melford M. Wheatley, G. S. '40, Ft. Snelling, Minn., and First Lieut. Donald H. Woodman, Ag. '35, Ft. Warren, Wyo.

FRATERNITIES ANNOUNCE 32 MEN AS NEW PLEDGES

Dr. Harold Howe, Faculty Adviser, Releases List of 13 Organizations

Thirty-two men are recent pledges of fraternities, according to Dr. Harold Howe, faculty adviser of fraternities. The 13 fraternities and the men pledged:

Acacia—Alfred Munroe, Douglass. Alpha Gamma Rho—James H. Vavroch, Oberlin. Alpha Kappa Lambda—Carl D. Holt, Great Bend; Warren B. Nelson, Manhattan; Robert B. Peugh, Hoisington. Alpha Tau Omega—Francis Gwin, Leoti; Leon Halbrook, Neodesha.

Delta Tau Delta—Bill Buser, Wichita; Bill Rector, Leavenworth; Duane Sawhill, Glasco; John M. St. John, Wichita; Terrence Turner, Colby. Farm House—Frank Boyd, Moran; Ed Reed, Rice. Kappa Sigma—Robert D. Campbell, Junction City. Phi Kappa—Leo W. Peterman, Beattie; Edwin J. Wassmer, Garnett. Pi Kappa Alpha—Dale Carter, Louisville; Gene Fuller, Salina.

Sigma Alpha Epsilon—Darcy Doryland, Manhattan. Sigma Phi Epsilon—John R. Fuller, Salina; Arthur Eugene Hudson, Nashville; John R. Nash, Lakin; Johnny McCammon, Americus; G. L. Mendenhall Jr., Belleville; Jack C. Pitney, Neodesha. Sigma Nu—Frank Paul Campbell, Manhattan; Patrick Carter, Manhattan; James S. Cunningham, El Dorado; Joe Richard Grisham, El Dorado. Theta Xi—Don M. Debler, Marysville; John W. Prager, Scranton, N. J.

RED ELDER, '37, IS NAMED COLORADO STATE ASSISTANT

Former All-Big Six Fullback Will Take Job at Ft. Collins on September 1

Maurice (Red) Elder, former all-Big Six conference fullback at Kansas State, will become assistant football coach at Colorado State college, Ft. Collins, September 1.

Before graduating in 1937, Elder lettered three years in football and earned a baseball "K" as a sophomore. Since graduation, he has been playing backfield coach with the professional Los Angeles Bulldogs. He now is studying for a master's degree at the University of Southern California.

Mrs. Elder is the former Rosethel Grimes, daughter of Dr. and Mrs. W. E. Grimes, Manhattan. Doctor Grimes is head of the Department of Economics and Sociology at Kansas State College.

Collegian Rated First Class

The Kansas State Collegian won first-class honor in the 1941 ratings of college newspapers by the Associated Collegiate press and the University of Minnesota. The two times The Collegian was submitted last year it won all-American rating. James Kendall, Dwight, was editor of The Collegian last semester.

ALUMNI ASSOCIATION HAS 1,044 MEMBERS FOR LIFE

List of Graduates and Former Students Is Growing at Rate of Better Than One a Week

The number of paid-up life members in the College Alumni association is growing at the rate of better than one a week. There are 1,044 paid-up life association members.

The life membership is popular with alumni because life members receive THE INDUSTRIALIST for life, according to Kenney Ford, secretary. The \$50 paid for the membership all goes into the student loan fund. Paid-up life members also receive a free copy of Dr. J. T. Willard's "History of Kansas State College." Joint membership for husband and wife costs \$75.

The following alumni have completed payments on their life membership since January 8, 1941: Dr. Charles W. Bower, '18, Topeka; Dee Bowyer, '27, Joliet, Ill.; C. C. McPherson, f. s., '22, and Vera (Samuel) McPherson, '19, Dallas, Texas; Harry G. Walker, M. S. '26, Norfolk, Va.; V. Eugene Payer, '39, Yates Center; E. Weir Hall, '24, Oakley; Florence McKinney, '34, Manhattan; Maxine Hofmann, '36, Manhattan; S. M. Mitchell, '18, Hutchinson; Margaret Newcomb, '25, Manhattan; Royse P. Murphy, '36, St. Paul, Minn.; Kenneth W. Miller, '36, Manhattan; Paul T. Nomura, '36, Honolulu, Hawaii, and Kenneth A. Fisher, '38, Kingman.

To Discuss Leadership

Members of the College teaching staff will meet in West Waters hall at 4 p. m. Thursday for an informal discussion of "Opportunities for College Faculties to Assume Leadership in American Life." The discussion will be led by Dr. Franz Schneider of the University of California.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Changes in American diet have brought better health."

Changing food habits exert tremendous influence on the producers of food products. In 1909, the average American consumed approximately 1900 pounds of food. Thirty years later, or in 1939, the total food consumption was approximately the same. But the quantities of the various types of food making up the total had changed materially. Less wheat, corn and potatoes were consumed. Citrus fruits, fresh vegetables, manufactured dairy products and eggs increased in importance and tended to take the place of the starchy foods that were eliminated.

These changes in the American diet have brought better health and probably have contributed to lower death rates. As a whole, the American people are better fed than they were in 1909. From this standpoint

Sorghum Article Published

An article on harvesting grain sorghums by F. C. Fenton, professor in the Department of Agricultural Engineering, appeared in the April issue of Agricultural Engineering, official trade magazine. The article stressed the fact that sorghum is an excellent crop for semiarid regions and discussed the harvesting of sorghum.

GEN. JAMES G. HARBORD TO ATTEND COMMENCEMENT

(Continued from page one)

He was born at Bloomington, Ill., March 21, 1866. At the age of 4, he was taken by his parents to their new home in Missouri. Here they lived for eight years. During his 11th to 13th years he lived with his aunt in Bloomington, where he attended the city schools.

In 1879, General Harbord moved with his parents to Lyon county, Kan. He entered Kansas State Agricultural College in 1882.

Immediately after his graduation in 1886 he became assistant principal of schools in Leon, Butler county, Kan., where he remained a year. Harbord then accepted a position with Kansas State College. He continued his work here until January, 1889, when he resigned to enlist in the regular army as a private. He was appointed a corporal in April and advanced steadily.

Harbord was made second lieutenant in 1891 and served at various posts. He was assigned to duty as a student at Ft. Leavenworth from 1893 until 1895. During service in the Spanish-American war he was promoted to a first lieutenant. In 1899 he was ordered to Cuba with the Army of Occupation. At the close of his Cuban service, Lieutenant Harbord was ordered to Ft. Myer in the spring of 1901. A few weeks later he was sent to the Bureau of Insular Affairs in Washington. There he remained until January, 1902. His regiment was ordered to the Philippines and, at his request, he accompanied it. During his 12 years in the Islands, he helped organize the Philippine constabulary of which he was assistant chief, with the temporary rank of colonel during most of that time.

After returning to the United States in 1914, he was assigned to the First cavalry at the Presidio of Monterey, Calif., and again assumed his regular rank of captain. During the summer of 1914, Captain Harbord served on the Mexican border. Later he was sent with a squadron of his regiment for participation in the Panama-Pacific International exposition of 1915. In the fall of 1916 he went to the War college at Washington, D. C., where he remained until the United States entered the World war in 1917.

General Harbord has been honored by France, Great Britain, Belgium, Italy, Montenegro and the Republic of Panama as well as by the United States. In 1920 he was given the honorary degree of doctor of laws by his alma mater. Other colleges and universities which have honored him with degrees are Trinity university, Colgate, Yale, Marietta and Washington and Jefferson. Stories of his experiences have appeared in many metropolitan newspapers and national magazines.

He married Miss Emma Overshine in 1899. After her death in 1937, the general was married to Mrs. Anne Lee Brown, December 31, 1938.

FOOTBALL CANDIDATES FINISH SPRING TRAINING

VETERANS LOSE TO SQUAD COMPOSED OF FROSH, RESERVES

Coach Hobbs Adams Has Abundance of Men for Backfield Positions, but Guard Positions Need Reinforcements

Coach Hobbs Adams' football proteges rounded out a six weeks' spring practice period Saturday afternoon with a spirited intrasquad football game between the Whites, composed of reserves and freshmen, and the Golds, made up of letter men and squad men. The Whites won, 22-20.

In the four games preceding the final contest Saturday, the Golds had blanked the freshmen in all but one game. The Whites scored in the initial tilt of spring practice five weeks ago when Earl Williams, freshman from Dodge City, booted a field goal in the first quarter. In this game, the frosh led the regulars until late in the last quarter, when Ray Rokey, Sabetha, plunged across the White line to win the game for the Golds, 6-3.

CONCERNED WITH GUARDS

The regulars held the freshmen scoreless for the next three games to win 14-0, 9-0, 14-0. In the final game, Coach Adams put a few of the more promising freshmen in the Gold lineup, and assigned some of the experienced squad men to positions on the White squad. The result was two teams of nearly equal ability.

Coach Adams, with an abundance of sophomore squad men and freshman numeral winners to fill the backfield positions left by Chris Langvardt, Alta Vista, and Art Kirk, Scott City, was most concerned with filling the guard positions left vacant by Seniors Bill Nichols, Marysville; Charles Fairman, Manhattan, and Al Niemoller, Wakefield. Ed Huff, Marysville, was the only experienced guard out for spring practice. Norbert Raemer, Herkimer, a letter man last fall, is also a catcher on the Wildcat baseball squad. Outstanding competitors for the position are Leon "Bud" Warta, Ellsworth, and Cliff Makalous, Cuba, both squad members last fall, and Joe Glavinich, Kansas City; Dick Lanphere, Osawatimie, and Fred Sprague, Lincoln, freshman tyros.

SUNDGREN PROVES SELF

Wayne Sundgren, freshman end from Hays, has proven himself as a pass receiver this spring and may be expected to do his share in filling one of the end positions left vacant by Don Munzer, Herington, and Wallace Swanson, Sharon Springs, by graduation.

Outstanding backfield candidates among the non-letter men and freshmen are Francis Gwin, diminutive quarterback from Leoti; Mike Zeleznak, Kansas City; Ronald Conrad, Clay Center; Earl Williams, Dodge City; John Bortka, Kansas City, and Lee Jones, Pretty Prairie. Ray Rokey, letter man last fall, is a member of the Wildcat baseball team and was present for only a few sessions of spring practice. Lysle Wilkins, one of last season's letter men, has shown improved ability as a ball carrier this spring.

DEAN R. R. DYKSTRA WARNS FARMERS OF HOG CHOLERA

Spring Hog Crop in Kansas Probably Will Be Larger Than Average

Although no reports of hog cholera in Kansas have been received, Dr. R. R. Dykstra, dean of the Division of Veterinary Medicine, warns that the "menace of hog cholera is always with us."

Doctor Dykstra says the spring pig crop in Kansas probably will be larger than average. He points out that hog raisers have become careless during recent years about the immunization of their pigs against cholera.

"With the price of hogs pegged at \$9 it seems that the safe thing for hog raisers to do is to vaccinate their pigs at weaning time. It is cheaper when the pigs are small and it gives almost 100 percent protection," Doctor Dykstra declared.

To Honor Student Journalists

Thirty-two students will be honored at a Board of Publications dinner May 9 at the Manhattan Country club. The dinner will honor students who have been most active during the present school year in conducting The Kansas State Collegian and The Royal Purple.

THE KANSAS INDUSTRIALIST

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Number 30

ALUMNI WILL CONSIDER AID TO DEFENSE, UNION

DIRECTORS AND ADVISORY COUNCIL WILL MEET MAY 23-24

Gaylord Munson, '33, Association President, Calls Sessions to Consider Program of Activities for Next Year

Members of the Board of Directors and the Advisory Council of the College Alumni association will meet Friday and Saturday, May 23 and 24, to consider a four-plank program of activities for the coming year. Among the subjects to be taken up will be the association's activities in the defense program and toward the Student Union.

Directors and council members have been notified by Gaylord Munson, '33, Junction City, president of the College Alumni association, that they will meet.

FOUR-PLANK PROGRAM

The four-point program which has been suggested for the coming year includes the following:

1. Can the College or Alumni association be of any worthwhile special service to alumni who are in the armed forces of our country?
2. What part should alumni play in the new Student Union building program? Should alumni solicit funds for any special use in the building?
3. Should the Alumni association take an active interest in obtaining appropriations for salaries at the state schools in proportion to enrollment?

NINE ARE DIRECTORS

4. What action should the Alumni association take in aiding Kansas State College to obtain its share of appropriations from the mill tax levy building fund?

Members of the Board of Directors in addition to President Munson are H. W. Luhnnow, '17, Kansas City, Mo.; W. E. Grimes, '13, Manhattan; A. P. Davidson, '14, Manhattan; Henry W. Rogler, '98, Matfield Green; R. A. Seaton, '04, Manhattan; R. V. Christian, '11, Wichita; L. C. Williams, '12, Manhattan; Charles Shaver, '15, Salina.

Members of the Advisory Council are C. E. Friend, '88, Lawrence; Mame (Alexander) Boyd, '02, Phillipsburg; Clarence G. Nevins, '07, Dodge City; W. Carleton Hall, '20, Coffeyville; J. W. Ballard, '26, Topeka.

ANNOUNCE BANQUET PLANS

Meanwhile plans were announced for graduating seniors to be honored Saturday night, May 24, at a banquet which Maj.-Gen. James G. Harbord '86, chief of staff of the United States army during the World war, will address. General Harbord is now chairman of board of Radio Corporation of America.

Invited guests are Gov. Payne H. Ratner and Mrs. Ratner and Lt.-Gov. Carl Friend and Mrs. Friend. Lieutenant-Governor Friend is an alumnus of Kansas State College. Other guests will include prominent members of the Cavalry school staff at Ft. Riley.

Ken Worsley's dance band of Topeka will play for the alumni-senior dance Saturday evening, May 24, in Nichols Gymnasium, after the alumni-senior banquet. The band played for Governor Ratner's inaugural ball last January.

RICHARD HAGGMAN ACCEPTS KANSAS CITY PUBLICITY JOB

Former Collegian Editor Takes Position with Chamber of Commerce

Richard S. Haggman, former editor of The Kansas State Collegian, student newspaper, has resigned as director of public relations for the Frye Aircraft company in Kansas City to accept a job as publicity secretary of the Kansas City, Mo., Chamber of Commerce. Announcement of the appointment was made by Karl Koerber, committee chairman.

Haggman, 26 years old, was a student in the Department of Industrial Journalism and Printing. He lacked a few hours of completing work for his degree when he left in 1936.

Kane Goes to Jail—for News

Robert Kane, I. J. '39, recently spent two days with guards, prisoners and the warden of the Ohio penitentiary at Columbus, gathering news and pictures for a sports story that appeared in a recent issue of Life magazine, according to a mimeographed circular from Time Incorporated, publishers of Time, Life and Fortune magazines. Kane was president of his senior class and a member of Phi Kappa social fraternity.

29TH ANNUAL FEEDERS' DAY WILL BE HELD SATURDAY

Emil C. Kielhorn, Kansas Association Head, Will Preside at Morning Session

Kansas cattle feeders will hold their 29th annual Feeders' day on the campus Saturday, with Dr. C. W. McCampbell, head of the Department of Animal Husbandry, in charge.

The morning meeting will be conducted by Emil C. Kielhorn, president of the Kansas Livestock association. The program will include a talk by G. B. Thorne, vice-president of Wilson and company, Chicago, who will discuss the cattleman and the defense program. Reports will be given on two of the current year's tests in cattle feeding.

Doctor McCampbell will report on the fattening of yearling heifers for summer and fall markets. Dr. A. D. Weber, cattle specialist in the Department of Animal Husbandry, will report on the influence of feed on the color of beef.

L. E. Call, dean of the Division of Agriculture, will preside over the afternoon session. Doctors McCampbell and Weber will give reports on wintering good quality calves, grazing and selling as feeder yearlings; and the relative value of Wheatland milo, Colby milo and corn as cattle-fattening feeds.

The afternoon session will be concluded with the question box, in which the questions submitted by the cattle feeders will be answered by various livestock authorities attending the meeting.

Short Course for Metermen

The 14th short course for electric metermen will be here May 22 and 23, under the direction of the Department of Electrical Engineering and the Midwest Electric Metermen's association. The short course will be divided into two groups, one intended for the more elementary phases of the work and the other for persons having considerable knowledge of the subject. Both groups will combine for all lectures by outside speakers. The program will include lectures followed by discussions.

PRESIDENT APPOINTS 11 TO UNION CORPORATION

GROUP INCLUDES FIVE FACULTY AND TWO ALUMNI MEMBERS

Committee Which Will Have Charge of Construction and Equipping of Building and Dormitory Will Meet Next Monday

Pres. F. D. Farrell announced the names of four students, two alumni and five faculty members who compose the membership of the corporation that will have charge of the construction and equipping of the Student Union building and of an additional residence hall for women.

The student members, appointed by President Farrell after nomination by the student class officers, are Marianna Kistler, '41, Manhattan; Raymond Rokey, '42, Sabetha; K. B. Lucas, '43, Manhattan, and Donald Edgar, graduate, Sterling.

TWO ALUMNI MEMBERS

The two alumni members not connected with the College, named by the Board of Directors of the Alumni association, are Charles W. Shaver, '15, Salina, and Miss Velma Koontz, '37, Manhattan.

The five faculty members named by President Farrell include Dean R. A. Seaton of the Division of Engineering and Architecture; Miss Helen Moore, dean of women; Mrs. Bessie Brooks West, head of the Department of Institutional Management; Dr. W. E. Grimes, head of the Department of Economics and Sociology, and Prof. Paul Weigel, head of the Department of Architecture. Dean Seaton and Doctor Grimes are graduates of Kansas State College.

The corporation is being set up in accordance with an act of the recent session of the Kansas Legislature providing that the construction and equipping of these buildings be in charge of a non-profit corporation organized, officered and directed by faculty members, alumni and students. Plans are being drawn for the first unit of a proposed \$300,000 section of a Student Union and for a residence hall for women.

WILL BE DIRECTORS

In making the announcement of members of the corporation, President Farrell said it is expected that the persons appointed to set up the corporation will constitute the first board of directors. The newly appointed members of the corporation will meet in the President's office at 4 p. m. next Monday to adopt a constitution and by-laws and to make application for a state charter for the proposed corporation. The corporation probably will be known as the Kansas State College Building association, President Farrell said.

Richard Keith Plays Recital

Richard Keith, senior in the Department of Music of the College, and a son of Mr. and Mrs. E. T. Keith, 1741 Fairview, presented an organ recital Monday night in the College Auditorium. His program included a Bach group of "Choral-Fugue: We All Believe in One God, Creator," "Andante" and "Toccata." He also played "Introduction and Theme," by Sumsion. A third group included "A Fantasy," by Darke; "Echo," by Yon, and "Fanfare," by Sowerby.

13 JUNIOR MEN SELECTED FOR BLUE KEY MEMBERSHIP

Point System Is Used This Year for First Time in History of Men's National Honorary Group

Thirteen junior men were selected last week as new members of Blue Key, senior men's national honorary fraternity.

For the first time a point system was used in selecting the new members. Scholarship, activities, athletics, work and everything the candidates have done on the campus were considered.

The new Blue Key members are:

Raymond Rokey, Sabetha, Alpha Gamma Rho; Larry Spear, Mission, independent; Bob Lank, Kansas City, Alpha Gamma Rho; William Guy, Liberty, Phi Delta Theta; George Wreath, Manhattan, independent; Arlin Ward, Manhattan, independent; Phillip Myers, Formoso, independent; Robert Dunlap, Liberal, Sigma Alpha Epsilon; Jack Horacek, Topeka, Delta Tau Delta; Ethan Potter, Peabody, Beta Theta Pi; Norbert Raemer, Herkimer, Alpha Tau Omega; Pierce Wheatley, Gypsum, Kappa Sigma, and Arthur Kirk, Scott City, Sigma Phi Epsilon.

WOMEN'S ATHLETIC BANQUET WILL BE THURSDAY EVENING

Intramural Plaque to Be Presented by Miss Katherine Geyer

The annual Women's Athletic association banquet will be in Thompson hall Thursday at 5:30 p. m. Highlight of the program will be the presentation of the intramural plaque by Miss Katherine Geyer, sponsor for women's intramural activities.

The plaque is awarded each year to the organized group having the highest number of points gained in intramural activities. The group winning the plaque for this school year will not be announced until after the dinner.

Marcene Brose, president of the Women's Athletic association, will be toastmistress for the occasion and will preside. The banquet will be the last function of the Women's Athletic association this school year.

FARRELL BREAKS GROUND FOR MILITARY BUILDING

PRESIDENT TURNS OVER FIRST SPADE OF SOD

New Campus Structure to Be West of Waters Hall and North of Veterinary Clinic; WPA Will Help Finance \$125,000 Cost

College officials, Works Progress administration representatives and students broke ground for the new \$125,000 military science building on the Kansas State College campus Tuesday afternoon in a brief ceremony in which Pres. F. D. Farrell turned over the first spade of sod.

The site is west of the west wing of Waters hall and north of the veterinary clinic. After the ceremony, which was recorded in pictures by a half dozen photographers, work got under way on the excavation for the building which will form an important addition to the campus.

ARMY OFFICERS PRESENT

College officials present for the ground breaking included, in addition to President Farrell, L. E. Conrad, acting dean of the Division of Engineering and Architecture; G. R. Pauling, superintendent of maintenance; Lt.-Col. Howard S. MacKirdy, Maj. Harold Stover and Capt. D. C. Taylor, all of the College Department of Military Science and Tactics.

Representing the WPA, which has provided a grant of approximately \$92,000, were Jay Feleay, superintendent of construction; Lawrence Whearty, district manager; John E. Brink, deputy state administrator, and Malcolm L. Smith, St. Paul, Minn., regional statistician.

Ray Stookey, state architect, who prepared the plans for the new military science building, also participated in the ceremony marking the start of the structure.

CADET OFFICERS ATTEND

Adding color to the occasion were 10 Reserve Officers' Training corps cadet officers in uniform, and the three honorary cadet officers. The three co-eds, Shirley Karns of Coffeyville, honorary cadet colonel; Dorothy Green of Wichita, and Jane Galbraith, Cottonwood Falls, honorary cadet majors, added a striking bit of color in their purple and white capes and caps.

28 COUNTIES WILL SEND DRAMA AND MUSIC GROUPS

Organizations Selected at Spring Festivals to Appear at Annual 4-H Roundup on Campus June 2-7

When the final band note faded, ending 4-H club spring festivals for 1941, results showed that 28 Kansas counties had been invited to send a drama or music group to the 4-H Club roundup at Kansas State College this year.

Groups taking part in the annual roundup, to be held June 2 to 7 on the campus at Manhattan, were considered outstanding in a state-wide series of music model meeting and drama contests this spring.

Instrumental ensembles will be sent from Montgomery, Jefferson, Sheridan, Rawlins, Pratt and Kingman counties. Bands or orchestras will come from Neosho, Shawnee, Dickinson, Sedgwick and Pawnee counties.

Jackson, Butler, Dickinson, Greeley, Reno and Barton counties will be represented by vocal ensembles. Choruses will take part from Crawford, Elk, Mitchell, Thomas, Sedgwick and Ford counties.

Members of 4-H clubs in Labette, Cowley, Marion, Kearny, Stafford and Reno counties have practiced short plays to be presented during roundup. Examples of model meetings are to be given by 4-H members from Bourbon, Russell and Ford counties.

"We are looking forward again to some fine musical entertainment," predicted M. H. Coe, state 4-H club leader. "And we'll enjoy, also, the chance to see our 4-H club members' dramatic ability in the plays. Model meetings will give us an opportunity to learn correct business meeting procedure as well."

CAMPUS ROADS

By J. T. WILLARD
College Historian

The main campus was acquired July 11, 1871, by the purchase of three small farms, the Foster eighty on the south, the Preston forty on the northwest and the Gale forty on the northeast. The Foster tract had been shortened on the east side by the sale of a strip 150 feet wide to provide for Manhattan avenue and the completion of the lots adjacent. Manhattan avenue thus terminated at the south line of the Gale place. This is about 85 feet south of the south line of Thurston street at its west terminus.

April 12, 1872, a road was located to complete a highway around the College farm, now the main campus. This began at the north end of Manhattan avenue, on the line between sections 7 and 18, and continued around the farm until, at the southeast corner, it again touched Manhattan avenue. North Manhattan avenue is 80 feet wide. The county road from it to the north was made only 60 feet wide, and its relation to the sides of Manhattan avenue is not stated in the record. It cut off a strip from the

east side of the Gale forty, most of which is now occupied by a forest plantation. This road is now paved to the city limits, and is located as a direct continuation of the pavement of Manhattan avenue.

On the north side of the campus the College line was made the center of the 60-foot road which thus took 30 feet from the College, and the same plan was used on the west side. However, on the south side the entire 60-foot strip was taken from the College. No reason for this is given in the record. This road is now Anderson avenue, and by blundering of some kind owners of private property on the south side have encroached on College land and occupy it.

Near the southeast corner of the Gale forty an entrance to the College farm was placed and a road extended through to the west side. The east end of this road became known at an early date as Lovers' lane. A walk paralleled it along the north side, and a row of maple trees occupied space between the two. North of the extreme east part of this road and walk was a grove of pine trees, the residues of rows in the Gale nursery

which came to the College with the farm. An adjoining plantation of pines was made later along the west side.

Lovers' lane was for many years the public entrance to the campus, and it may serve as the starting point for stating the location of other roads. A short distance west of the Lovers' lane entrance a road branched off and continued in a northwesterly direction through the nurseries and gardens to the second stone barn which occupied a site northeast of that upon which East Waters hall now stands. This road was inconveniently located and in 1890 it was changed, and an entrance for it made near the watercourse which crosses the northeast corner of the campus, the road following that feature. This slightly improved road still serves a useful purpose. At one time the public used it as a cut-off to avoid going around the corner, and measures were taken to make it less convenient for that purpose.

The road entering at Lovers' lane, near the alley between Kearney and Thurston streets, continued west com-

(Continued on last page)

The KANSAS INDUSTRIALIST

Established April 24, 1875

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HILLIER KRIEGBAUM, RALPH LASHBOOK, JANE ROCKWELL, PAUL L. DITTMORE, Associate Editors
KENNEY FORD, Alumni Editor

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WEDNESDAY, MAY 14, 1941

INSPIRATION AND REMINDER

The return of Maj.-Gen. James G. Harbord, '86, to the College campus as speaker at the alumni-senior banquet should serve as an inspiration and as a reminder to those members of the senior class who will soon be in the armed services of the country. Major-General Harbord's distinguished career will furnish the inspiration, and the way in which he embarked upon it is a reminder that the country's most distinguished military leaders may and do rise from the ranks.

When James G. Harbord was graduated from Kansas State College in 1886 he sought appointment to West Point. He and another young resident of Lyon county, William Allen White, were among those who failed to get an appointment that year. In Mr. White's case the army's loss was journalism's gain. Mr. Harbord, however, persisted in his desire for a military career. After a year as assistant principal of the Butler county schools and a year and a half on the Kansas State staff, he enlisted as a private in the regular army in January, 1889. Four months later he was a corporal.

In July, 1891, James G. Harbord became a second lieutenant of cavalry. Although his commission came a year later than had he entered West Point at the time of his application and been graduated with the class of 1890, he actually received it after only 2 1-2 years of army service as compared to four by the federal military academy route. The story of his distinguished World war service and of his rise to the rank of major-general is well known. What a "handicap" his failure to get an appointment proved to be!

BOOKS

Small Town Journalist

"Salt of the Earth." By Victor Holmes. The Macmillan Company. New York. 1941. \$2.50.

Good newspaper men should know a great deal about the town in which they work. That is especially true of those journalists who live in small communities.

Victor Holmes, which is the pen-name behind which the author hides, presents a series of gossip chapters on the life of a small Middle Western community as its publisher saw it. It is the biography of a small town as much as the recollections of the community's editor.

Grand City, with its population of 2,000, probably is a Kansas town. The references to Kansas City as the metropolis fountain-head and the mores of the community all place the community in the Sunflower state. An introduction by William Allen White lends some substantiating evidence, although the generous Emporia editor undoubtedly would do a good turn for any fellow Midwesterner.

Victor Holmes tells, as if he were sitting around a crackling fireplace after a winter hike through the snow-bespattered countryside, the informal stories of those figures around which a small town's life revolves—the bankers, the doctors, the ministers, the printer, the social "dictator" and the leaders for those folk on the other side of the railroad tracks. All these Mr. Holmes describes. He also does the more difficult job of capturing their personalities so that they are

living individuals in the amusing incidents he recites.

The story of "Spindle" Thomas and his revenge on the town's leading wheat tycoon is almost too good to have happened. "Spindle" ran off a one-copy edition of the weekly paper and sent it to the tycoon's home. It told in unvarnished terms just what sort of a man was to be his daughter's groom. Mr. Holmes tells the story with proper dramatic effect. It is one of the best incidents in the book.

If Kansans like to see themselves as others see them, they should like this book. It isn't profound but, as Mr. White says in his introduction, "it is the kind of story that the average American adult who has reached the eighth grade or who has just finished his doctor's thesis, can sit down and enjoy heartily."

—Hillier Krieghbaum.

ABOUT THE HEMISPHERES

A hemisphere is a relatively new invention, as human history goes. It was Egypt, indirectly, that made the world a sphere. In the library of Alexandria, a thoughtful astronomer of the third century, B. C. Eratosthenes, concluded that the earth is a ball and even computed its circumference. He made what is believed to be the earliest division of the earth into "hemispheres," but by a north-south classification. His pioneer "equator" was a line extended through the Mediterranean and across Asia, called the parallel of Rhodes because that island marked its center. It was about 2,500 miles north of the true equator. Europe, Asia and Africa were the only continents Eratosthenes made room for on his sphere.

It was more than 1,700 years later that Columbus, Cabot, Vespucci and their followers revealed two new continents, and Balboa unveiled a new ocean. While struggling to crowd the vast new regions on a chart of the world in 1512, an obscure map-maker of Cracow, Stobnicza, dared to split the globe into two hemispheres for the first time. He let half of Asia lap over into the new world circle. The celebrated cartographer Mercator in 1538 used a scheme for showing the world in two heart-shaped hemispheres, northern and southern, divided along the equator.

Since then, geographers have encountered increasing difficulty in slicing the sphere into east-west halves. If the dividing lines are to run through the North and South Poles, and mark out so-called "eastern" and "western" hemispheres, there can be a great many of them, varying with the meridian of longitude which is arbitrarily chosen as the starting point.

In addition to the element of choice involved in defining eastern and western hemispheres, there is the further difficulty that the great land masses of the earth are so unequal in size as to defy exact segregation in 180-degree divisions. Since no division of 180-degree hemispheres can both include the appropriate land masses and exclude the inappropriate ones, geographers have had to compromise along practical—but not straight—lines.

Most mapmakers have accepted the meridian 20 degrees west of Greenwich, England, as the boundary line in the Atlantic between "eastern" and "western" hemispheres. Geographically, the meridian includes the Cape Verde islands and the Azores in the western hemisphere, but actually these island groups are more closely associated with the eastern hemisphere. The other borderline islands are Greenland and Iceland. Few people dispute that Greenland belongs logically in what has come to be considered the world's western half, but Iceland, the bulk of which is east of this line, has been classified by different geographers in both hemispheres.

On the other rim of the western hemisphere, thus delineated, the boundary line would geographically be the meridian 160 degrees east of Greenwich. Such a line would divorce New Zealand from Australia, the easternmost extension of Siberia from the main bulk of the U. S. S. R., and many Japanese-mandated islands from Japan. Only mapmakers, therefore, follow such a rigid definition of the western hemisphere's western boundary, and then only to keep their circle round. Others generally accept as a compromise the international date line. This flexible time frontier has been zigzagged so as to leave New Zealand in the eastern

SCIENCE TODAY

By MRS. KATHERINE HESS
Associate Professor, Department of
Clothing and Textiles

The importance of nylon and other new fibers in the manufacture of cloth is almost overshadowed by the importance of rayon fibers that have been modified in some way. The presence of rayon in a fabric was at one time rather easily detected, but with the changed physical properties and new chemical reactions given rayon fibers the tests that were once adequate now fail to reveal its presence.

Staple rayon, the short lengths cut from the filament fibers and used in the manufacture of spun yarn, serves as the basis of most modified rayon fibers. The comparison of the increase in the production of staple fiber with filament rayon will give some indication of its importance. Staple fiber was first developed in Germany little more than 20 years ago. In 1934, the world production of staple fiber was 52,000,000 pounds as compared with 770,000,000 pounds of filament fiber. In 1940 staple fiber production of 1,350,000,000 pounds exceeded the production of filament fiber of 1,150,000,000 pounds.

The producers of rayon are utilizing the results of research done on natural fibers in the production of staple fibers for specific uses. For example, it has been shown that the minimum spinnable length of any fiber is one-half inch and that the diameter must be not more than 1/700 of the length. Fibers of these proportions can be spun into coarse yarns only. For a fine yarn the minimum fineness ratio must be at least 1/2000. This information is used in the production of short synthetic fibers. The machinery developed to cut synthetic fibers to the desired length is now being used to cut the natural fibers either to secure fancy effects, to imitate other fibers, to spin the yarn on another type of machinery or in an effort to produce yarns for a specific purpose. Fibers that vary greatly in length are cut to lengths that will permit them to be blended; thus, the long linen fibers may be cut and blended with wool or cut to blend with staple rayon. Wool fibers too long to be spun on cotton machinery may be cut to the necessary length for this purpose.

Fibers cut to specific lengths, wool treated to prevent shrinkage and mercerized cotton may all be classed as modified fibers, but the term is more often used in connection with rayons that are changed either in their physical or chemical properties or both. In order to successfully blend rayon with wool or substitute

hemisphere, all of the Aleutian islands in the western and all of Siberia in the eastern.—From the National Geographic Magazine.

IF WAR COMES---

Should war ever come to America, it will be a war of minds and ideas as well as a war of bombs and shells.

We have seen one great nation fall because it had confidence in a string of fortifications—and yet, when the pinch came, no confidence in itself.—Stephen Vincent Benet, in "Zero Hour."

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

J. R. "Red" Coleman, '30, was with the Eastman Kodak company at Rochester, N. Y.

Prof. J. P. Calderwood, head of the Department of Mechanical Engineering, attended the meetings of the American Society of Refrigerating Engineers in Kansas City.

George Fiedler, '26, was transferred from the photophone department of the Radio Corporation of America to the Victor division of the same company in New York.

TWENTY YEARS AGO

Margaret M. Justin, '09, was working as physiological chemist in Sioux City, Iowa.

H. R. Reed, '07, was transferred from Bard, Calif., to McNeill, Miss. He was with the United States Department of Agriculture doing experimental work with forage crops.

J. C. Christensen, '94, was assistant secretary of the University of Michigan, at Ann Arbor. Mr. Christensen returned from Pittsburgh, Pa.,

rayon for wool it is desirable that the rayon so used shall have both the physical properties of wool and the dyeing properties of this fiber. Among the staple rayons produced for this purpose are the modified fibers which by some specific method have been given a rough surface or a permanent crimp.

Rayon staple fibers with a rough surface may be produced by the viscose method by regulating the ripening of the solution and the acidity of the coagulating bath; or by first spinning the solution and later regenerating the cellulose. Thus, what is normally done in one process is done in two. By this method the spun yarns can be twisted or given a rough surface during the second process.

A new viscose fiber, cylindrical in form without the characteristic corrugated surface, has been developed for use as the pile of rugs. This fiber resembles wool even in cross-section. It was developed as the result of research which proved that smooth-surface fibers retain less dirt than do those with a corrugated surface.

A cellulose acetate rayon staple fiber known as Teca imparts a wool-like character and a crush-resistant quality to the fabric in which it is used. Teca is produced in a variety of sizes and colors.

The term animalized fiber refers to a class of modified viscose fibers in which wool-dyeing properties are obtained by adding from 3 to 5 percent casein to the spinning solution. Basified viscose is another type of modified fiber possessing properties somewhat similar to the animalized fibers. This group has been modified chemically by the addition of synthetic resins so that they, too, possess wool-dyeing properties. These fibers possess a greater affinity for direct cotton and other dyestuffs than do cotton or rayon. This permits the production of stripes or designs by piece-dyeing fabrics of the correct combination of fibers. A new type of cellulose acetate rayon fiber recently has been reported that is much superior in strength and elasticity to any rayon fiber before produced. The properties of this fiber are such that its use in making a parachute fabric is being studied.

The use of modified or new types of fibers in fabrics and articles where once only the normal natural fibers were used is not to be considered as an adulterant or a deception. Rather one should be awake to the advances science is making in the production and modification of fibers, and welcome their use whenever a better or cheaper product is made possible.

where he had spent several months as the financial expert on a commission making a survey of the Carnegie Institute of Technology.

THIRTY YEARS AGO

Dr. Francis H. Slack, professor of bacteriology, talked about tuberculosis before the State Federation of Women's Clubs.

J. A. Conover, '98, was appointed farm superintendent of the dairy farm of the United States Naval academy at Annapolis, Md.

At a meeting of the Science club, Dr. H. N. Whitford, '90, forester and chief of the Division of Investigation of the Bureau of Forestry at Manila, P. I., discussed "Some Aspects of Tropical Forests."

FORTY YEARS AGO

George Christensen, '94, was assistant to Prof. O. P. Hood in the Michigan College of Mines, Houghton.

Pres. E. R. Nichols, Prof. H. M. Cottrell and Regents McDowell and Coburn returned from their visit to the agricultural colleges of Indiana, Illinois, Wisconsin, Minnesota and Iowa.

E. O. Sisson, '86, director of the Bradley Polytechnic institute, Peoria, Ill., sailed for Naples. He planned to spend four months visiting the chief cities of continental Europe and England.

FIFTY YEARS AGO

Professor Walters lectured in the Salina high school course on "Industrial Education."

W. H. Olin, '89, completed a year of teaching at Waverly and was asked to return for another year.

Miss Phoebe Haines, '83, instruc-

tor in drawing in the State Agricultural College of New Mexico, Las Cruces, was made professor of the drawing department.

SIXTY YEARS AGO

At the regular meeting of the Scientific club Professor Walters presented a paper on "Glaciers."

Miss Wright of Brookville, who was on her way to join a missionary station in Armenia, Turkey, stopped in Manhattan to visit College friends.

S. S. Benedict of Wilson county, regent of the State university and senator from his district, was invited to deliver the annual address at the June commencement.

KANSAS POETRY

Robert Conover, Editor

TWO HILLS

By Edna Becker

One hill, pine-smothered,
Cries for light and stars,
"The trees . . . how beautiful!" we say.

Another, windswept,
Lays its cheek against the sky's;
We only glance . . . "How bare."

SUPERIORITY

I know a good American couple
Who taught their wee firstling
To say with vigor,
"Hot diggity!"

And I know a little Hindu—
He taught his tiny brown-skinned son
First to say,
"Beautiful."

In addition to writing verse, Edna Becker, Topeka, is well known as the author of several books and stories for children and of successful one-act plays. She has won several prizes, one of the most recent being a first prize in the Juvenile Story contest of the Kansas Authors' club.

SUNFLOWERS

By H. W. Davis

A VERY MODEST PROPOSAL

The great problem before us the people of the United States is, "Where do we go from where are we—and when?"

And that is by way of being a fighting question, too.

Bewildered by a barrage of official communiques, headlines, and double-talking mouthpieces shouting into microphones, and hearing everything but the facts, we stagger along, hoping gradually to work out of our whirling insanity. But we work inward, not outward.

I don't think one more little bureau at Washington could do any harm, especially not if it were the kind of bureau I am thinking of—a bureau of fact disclosure.—B. F. D.

For instance, if some of us Americans west of the district of Columbia had some idea of the reality of the "Battle of the Atlantic," we might be able to stand for or against something with a little more enthusiasm or stubbornness, as the case might be.

It will make a difference to us whether 40 or 4 per centum of our 7 billion is headed for the locker of one Mr. Davy Jones. We should also like to know whether the two warships locked up in Brest, or someplace, and daily bombed by the R. A. F., constitute the entire surface-raider equipment of the Axis powers, or only a fraction of it. We should like to know too whether Germany and Italy are using 30 submarines, or 3000. We should finally like to know whether England has any part of her navy fighting in the battle of the Atlantic or whether it is all in the eastern Mediterranean getting full of oil from Iraq.

We do not want any facts made public that will give aid or comfort to Hitler, but we think it might be reasonably safe to let us in on a few things asked for in the preceding quiz paragraph. With a truth or two under our belts, you see, we might be able to tell whether we favor starting the convoy system tomorrow or next day.

As it is now, the "Battle of the Atlantic" has come to be merely a phrase poured into headlines and microphones to frighten folks. The B. F. D. could sort of practice up on that battle, and justify itself—or not. If not, we could abolish facts and slink back to going crazy gawking dizzily at trial balloons bursting in air and listening to loud mouthpieces blaring crazily from louder loud-speakers.

AMONG THE ALUMNI

Edward Octavius Sisson, B. S. '86, writes that he cannot attend the reunion of his class this spring. He lives at Bremerton, Wash., retired from his long term as professor of philosophy at Reed college, Portland, Ore. He says that he has lost contact with others of his class and would like very much to know what they are doing.

Tina (Coburn) Tomson, B. S. '91, may return for Commencement. She lives at Wakarusa and writes that she was a school teacher four years, a secretary 3 1-2 years, wife and mother 40 years, director of the Parent-Teacher group, YWCA and church organizations. She has four children.

Mary (Ridenour) Plowman, B. S. '96, and her husband, J. A. Plowman, f. s. '95, "have had a busy, happy 40 years of married life. Seeing five fine children grow to manhood and womanhood were the important events, I guess." The Plowmans live at Skykomish, Wash.

Rainey C. Faris, M. E. '01, Prof. Deg. in Engr. '17, is engineer and purchasing agent for the Equitable Powder Manufacturing company and two associate companies. He and Mrs. Faris have seven children, all of whom are grown and married. There are 11 grandchildren.

Winifred Dalton, B. S. '06, St. George, is expected to attend commencement exercises.

Ray L. Graves, Ag. '12, is working with the Soil Conservation service, Mandan, N. D.

Charles Parke Lillard, Ag. '14, has retired from active business and now lives at 712 Paris avenue, Hannibal, Mo.

Byron J. Taylor, Ag. '16, of Logan county has been employed as Greeley county agent to replace Lee J. Brewer, Ag. '35, who has accepted a similar position in Ottawa county. Mr. Taylor has been county agent in Logan county for several years.

George Edwin Manzer, Ag. '17, is senior interviewer for the Colorado Employment service. He is manager of the Longmont office, Longmont, Colo.

Dr. William L. Ikard, D. V. M. '21, is a government meat inspector in St. Paul, Minn. He and Mrs. Ikard live at 331 Eleventh avenue South, South St. Paul.

Maj. Ray E. Marshall, Ag. '22, and Frances (Casto) Marshall, G. S. '22, have been transferred from Ft. Clayton, Canal Zone, to Camp Roberts, San Miguel, Calif.

Carl A. Brandy, D. V. M. '23, M. S. '30, and Mrs. Brandy live at 547 Meadowlane, East Lansing, Mich. He is head of poultry research in the regional laboratory of the United States Department of Agriculture there.

Dan M. Braum, Ag. '24, is with the training section of the United States Department of Agriculture, Washington, D. C. At the present time he is engaged in field work, and, although his official headquarters are located in Washington, D. C., he is traveling and has no permanent address. Mrs. Braum is temporarily at 1610 Fillmore street, Amarillo, Texas.

Claude L. Wilson, M. E. '25, Prof. Deg. in Engr. '29, M. S. '33, writes that he is professor of mechanical engineering at Prairie View State college, Prairie View, Texas.

Eric T. Tebow, R. C. '26, is being presented by the Harper Lions club as candidate for governor of District 17-K of Lions International, 1941. A folder sent out by them gives details as to his education, his experience as a superintendent of schools for 15 years and his travels in the Orient, Europe and Mexico. Mr. and Mrs. Tebow have made many pictures and collections on their travels and are much in demand for that kind of entertainment on programs. He has spoken to more than 200 audiences in the past four years.

James F. Price, R. C. '27, new dean of the Washburn Law school, arrived in Topeka last week, ready to begin organization of the school to fit into the new municipal university program. Mr. Price has just completed his work as a professor of law at San Francisco university.

William Sartorius, M. E. '28, and Lucile (Potter) Sartorius, I. J. '27, are now at 150 Canoe Brook park-

way, Summit, N. J. Mr. Sartorius resigned after 13 years with Procter and Gamble to be assistant chief engineer of Colgate Palmolive-Peet. He is in charge of new design and construction for the entire company, both domestic and foreign.

E. E. Larson, C. E. '29, Prof. Deg. '34, is county engineer in Douglas county. He and Mrs. Larson live at 109 East Eighth street, Lawrence.

Ethel Maude Harland, H. E. '31, is home service and home lighting adviser of the Kansas Power company, Concordia. Her address is 720 Cedar street.

L. C. Fiser, P. E. '31, Atchison high school sports coach, will manage the Manhattan Ban Johnson baseball club for 1941. He and Mrs. Fiser (Vivian Bamer) have a son, David Joe, 2.

Francis (Morlan) Short, '31, writes: "I am sending you my address so that I will be invited to our class reunion and Commencement activities this year. My husband is in training at Camp Robinson, and I am working in the office of the Arkansas Methodist. I should like to know the names of other Kansas State alumni who live in Little Rock."

Winifred Johnson, H. E. '32, is going to school at the University of Tennessee, Knoxville. She is working on her master's degree there.

Dale Barkalow, E. E. '33, is plant foreman of the Kadane creamery, Dallas, Texas. The Barkalows live at 4506 Leland avenue, Dallas.

Y. S. Kim, Ag. '33, M. S. '34, writes: "Ever since the Sino-Japanese war was broken out, I had so much bad luck, therefore I did not write to anyone. Anyhow by now the things are going on well and not a thing to worry about for the time being. I will take anything whatever happens to me."

"Usually it takes only little over 10 days to come to Chungking, where the college is, from Nanking by the steamer, but we have spent more than three months to come here. We sailed on the wonderful Yangtze gorges by the junk just the same as Columbus discovered the new continent. Last year July 4 our house was bombed by the enemy's aeroplanes and the house was mashed into pieces, but we narrowly escaped and saved our lives. If I tried to write all my past experiences to you by one letter, I have to write at least 10 pages or more. When I have a chance to cross the mighty Pacific ocean, I can tell you. Now I am making some plans to visit the United States, but I can't tell right now."

"I have been a papa for five years now. We have a girl. I am enjoying being with my family and teaching here. I am glad that I have a good position now. I have been here for two years. In fact National Central university is one of the best ones in China. Most of the professors are returned from either United States or England."

L. Marguerite Edwards, H. E. '34, is dietitian at the Missouri State sanatorium, Mt. Vernon.

William Martin Turner, M. E. '35, is sales engineer on the air-conditioning distributor with General Electric in Wichita. He lives at 157 North Rutan.

Fred E. Brady, E. E. '36, is a first lieutenant, Coast Artillery corps, Ft. Monmouth, N. J. He formerly was employed by the Atchison, Topeka and Santa Fe Railway company in Topeka.

William John Lewis, Ch. E. '37, is with the Elgin Water Softener company, St. Louis. His address is Park Manor hotel, 5560 Pershing avenue.

Russell H. Gripp, Ag. '38, is rural rehabilitation supervisor with the Farm Security administration at Hiawatha.

William P. Bacon, Ag. '39, writes that he is finishing a year as agriculture instructor in the high school at Davis, Ill., about 110 miles northwest of Chicago.

Ernest C. Sieder, M. E. '40, has been working in the drafting and engineering department of the Lima Locomotive Works, Inc., shovel and crane division, since last June. He lives at 633 West Spring street, Lima, Ohio.

Velma McGaugh, H. E. '40, stopped in the College Alumni association office while she was visiting in Manhattan last week. She reports that she likes her teaching job in home economics at Mayetta and is returning there next year.

LOOKING AROUND KENNEY L. FORD

Writes to Dr. J. T. Willard

J. Alex Munro, M. S. '25, is head of the Department of Entomology at North Dakota State college, Fargo. Dr. J. T. Willard, College historian, recently received a letter from him, thanking him for the history of Kansas State College.

"It is the finest book of its kind I have had the pleasure of reading, and I must say it means a great deal to anyone who has been connected with Kansas State College to have it for reference," Professor Munro wrote. "Then THE INDUSTRIALIST—I am getting so in the habit of reading it each week that if it stopped at any time, I would miss it a lot. Glad to see the various sections of your campus paper being maintained so well."

"Although the book came to my hands back about Christmas time, I have only had it in my possession just long enough to read it through. Since reading it, it has been passed on to several other Kansas folk who have read it and told me how much they enjoyed it."

A '91 Reunion Poem

Delpha Hoop Montgomery, B. S. '91, 1190 College avenue, Topeka, writes that she will attend her class reunion at Commencement. Since she wants all her classmates to come, too, she wrote this poem:

Dear Alma Mater calling you;
The class of '91
She calls you in for a review,
To learn what you have done.
Some fifty years ago this year,
She opened wide her door
To start the "class without a peer"
Adventuring yet more.

Yes, some were bold and some were meek
And some were timid souls;
But not a single one was weak,
And all set out for goals.

You made them, too, in spite of all
The handicaps you met.
And now, you that have heard the call
Come back without regret.

But some there are whose spirits brave
The "Great Adventure" made
A glimpse the "Open Door" just gave
Of joys that never fade.

You'll miss them, yes, but do not grieve;
They would not have it so:
Be glad that you can still believe,
And some day—you shall "Know".

Your Alma Mater calls to you,
Dear class of '91,
Upon her campus now renew
Old friendships, one by one.

Edward Shim Writes from China

Dean L. E. Call recently received the following letter from Edward Shim, Ag. '16, who is with the Imperial Chemical Industries (China), Ltd., Hongkong:

"Just now I am on my way to Hongkong. This ship left Honolulu in the early hours of February 27 and will arrive in Hongkong on March 12. It is a straight run between the two ports, which is unusual. Generally the ship touches Japanese ports and Shanghai before reaching Hongkong."

"You may be interested to know that after leaving you, I attended the Rotary club meetings at Berkeley, Calif., Honolulu and Wailuku, my home city. I spoke a few words at the Berkeley club and was the guest speaker at the Wailuku club."

"You may be interested to know also that I met Herschel Scott, M. S. '19, at Guadalupe, Calif.; R. Ripper-ton, A. J. Mangelsdorf, Ag. '16, and Helen (Blank) Tuttle, '20, of the Main Pines company, Makawoo, Main, T. H. I did not get to see Mr. Tuttle, M. S. '19, as he was not at home when I called."

"I wish to thank you and K. L. Ford for the kindness and consideration you gave me during my short stay in Manhattan. I must say that I enjoyed my visit to Kansas State very much. The only regret is that I did not have enough time to meet all the professors, instructors and friends whom I like to see. In fact, I have to omit seeing other friends at other places."

"When I reach Hongkong I will be busy again to continue my work with insecticide. I will have to find control measures for insects which I did not find last year."

MARRIAGES

GRAHAM—OWENS

Sadie Alma Graham, M. Ed. '38, was married to Clark V. Owens of Wichita March 8. The bride attended William Woods college at Fulton, Mo., and, after graduating from Kansas State College, studied at North-

western university at Evanston, Ill. She is a member of Chi Omega, social sorority, and Mu Phi Epsilon, honorary music sorority. Mr. Owens attended Southwestern college at Winfield. He is now teaching at North high school in Wichita. They will be at home at 1241 North Broadway.

BIRTHS

Henry C. Graefe, D. V. M. '40, and Janice (LaMont) Graefe of 1219 Pierre, Manhattan, are parents of a girl, Pasa Janice, born April 19.

Leland B. Grimes, a junior in general science, and Katherine (Piercy) Grimes, f. s. '40, Route 1, Manhattan, are parents of a son, born April 1.

Gerald Lake, who graduates in chemical engineering this year, and Marylee (Berry) Lake, 1114 Vattier, have named their son born April 1, Jerry Lee.

A son, John Michael, was born Monday, April 21, to Milo C. Oberhelman, G. S. '34, and Marie (Buchanan) Oberhelman, f. s., of Randolph. Mr. Oberhelman works in the Citizens' State bank there.

Warren F. Keller, E. E. '35, and Mary Elizabeth (Fleener) Keller, f. s., have announced the birth of a son on April 27. They have named him Warren Richard. The Kellers also have a daughter, Carol Ann, 3. They live at 168 Stevenson, Buffalo, N. Y.

Gary Kay Moore began his life with 1941—his birthday was January 1. W. H. Moore, '39, and Alma (Bergstrom) Moore, his parents, live at Mayetta, where Mr. Moore teaches vocational agriculture.

Earl Borgelt, Ag. '35, and Mrs. Borgelt have sent the following autobiography of their daughter: "I was born on April 4, and I don't do much but doze! I weighed just eight pounds, four ounces. That's without my clothes! My parents named me Patricia Dorene without asking my advice! And I think they're going to keep me, for they think I'm pretty nice!" Mr. Borgelt teaches vocational agriculture at Beverly.

MARCY AND CORNWELL WIN BLOCK AND BRIDLE CONTEST

Milford and St. John Students Awarded Livestock Judging Prizes

Frank Marcy, Milford, and Jack Cornwell, St. John, won the senior and junior divisions, respectively, of the annual Block and Bridle livestock judging contest. Results were announced at a meeting sponsored by the club Tuesday night.

Marcy was awarded a medal donated by the National Block and Bridle club. Cornwell's prize was a trophy donated by the Kansas City Stock exchange and the Kansas City Livestock exchange. Marcy's score in the senior division was 546 points out of a possible 600, while Cornwell took first place in the junior division with a score of 561 points out of 600.

Second in the senior division was George Wreath, Manhattan, who was awarded a silver medal. Dick Wellman, Sterling, third in the senior division, received a bronze medal. William Winner, Topeka, won second place in the junior division with 545 points to "nose out" Glenn Thomas, Medicine Lodge, by a one-point margin. Winner and Thomas were presented silver and bronze medals, respectively.

Hunt Presents Paper

Prof. O. D. Hunt of the Department of Electrical Engineering left last Thursday to attend the first Midwestern regional meeting of the Illuminating Engineering society at Davenport, Iowa. Mr. Hunt presented a paper on "The Illuminating Engineering Society and the College Student."

RECENT HAPPENINGS ON THE HILL

Larry Spear, Mission, president of the Student Council, hiked 100 miles to Emporia in 31 hours over the week-end. He bet Jim Walker of Emporia \$5 that it could be done. Then he proved it could.

James Upham, Junction City, set a new varsity record in the 440-yard dash against the University of Colorado Saturday. His time was 48.7 seconds as compared with the old mark of 48.8 set by Jim Jesson in 1938.

Prof. L. F. Payne, head of the Department of Poultry Husbandry, was elected president of Phi Kappa Phi, national honorary scholarship organization, at a meeting Monday. Initiation ceremonies were held for 44 seniors and graduate students and four faculty members.

Milling industry students are seeking the member of the Foods II class who accepted their challenge to bake a cake. When the girls visited the Department of Milling Industry last week, the millers asked the girls if they could actually bake a cake. The product was so good that the milling industry students want to find the identity of the girl that baked the cake.

Studies of students' reactions to their College instructors have been released by Mortar Board, national honorary organization for senior women. The studies were made in five representative departments. Students were asked to rate their teachers for such things as stimulation of intellectual curiosity, pleasing voice and cooperation between students and faculty.

Stephen H. Bush, professor of romance languages at the State University of Iowa, spoke Tuesday at the assembly recognizing members of Phi Kappa Phi, Sigma Xi, Gamma Sigma Delta and Omicron Nu, all honorary scholarship organizations on the campus. His subject was "The Life-Blood of a Master Spirit." He also talked in the physical science building Monday evening on patterns in thinking.

SOCIAL FRATERNITIES LIST NAMES OF 33 NEW PLEDGES

Dr. Harold Howe, Faculty Adviser, Makes Announcement

Thirty-three men have been pledged to social fraternities recently, according to Dr. Harold Howe, fraternity adviser. Eleven fraternities and their new members are:

Acacia—Bill Lewis, Conway Springs. Alpha Gamma Rho—John Bishop, Minneapolis; Lawrence Chain, Haven; Erskine Eickmann, Chester, Neb.; Richard Leon Gaston, Powhattan; George Gatz, Newton. Gerald Goetsch, Sabetha; Wayne L. Good, McCune; Robert L. Wallace, Colby; Earl Williams, Portland, Ore.; Robert F. Wilson, Quenemo. Alpha Kappa Lambda—Adell Brecheisen, Welda; Carl A. Mehl, Robinson; Richard Small, 1545 Park place, Wichita.

Alpha Tau Omega—Eugene Anderson, Greenleaf; William Engelland, Sterling; Maurice Rogers, Osborne; Jim Scott, Manhattan. Kappa Sigma—Ray Mussatto, Burlingame. Phi Delta Theta—Glen Cline, Fredonia; John Hains, Leavenworth; R. M. Weible, Coffeyville. Phi Kappa—John Healy, Junction City; Morris Van Daele, Olathe. Pi Kappa Alpha—Herbert Hudson Martin, Altamont.

Sigma Alpha Epsilon—Gene Mills, Wichita. Sigma Phi Epsilon—Charles Caler, Geneseo; Max Krey, Zenith; Ralph E. Krey, Zenith; J. Ed McConnell, Salina; Merle Stubbs, Sterling. Tau Kappa Epsilon—Dean Beard, Neodesha; Robert Slentz, Chase.

ALUMNI-SENIOR BANQUET RESERVATIONS

I will attend alumni day activities May 24. Reserve..... tickets to the alumni-senior banquet, starting 6 p. m. Saturday. Tickets are \$1.50 each—good for banquet and dance. Reservations will be held until 2 p. m. Saturday.

Signed

Address

Clip and Mail to the Alumni Office

100 SENIORS WILL GET COMMISSIONS IN ARMY

LT.-COL. JOHN C. MACDONALD OF FT. RILEY WILL TALK

Maj. H. E. Stover Will Administer Oath of Office to Graduates, While Pres. F. D. Farrell Will Talk at Ceremonies

Lt.-Col. John C. Macdonald, secretary of the Cavalry school at Ft. Riley, will address the senior students in the advanced course of the Reserve Officers' Training corps at graduation exercises in Recreation Center at 9 a. m. May 24.

Lt.-Col. J. K. Campbell, professor of military science and tactics, will present commissions to 100 senior cadet officers in both the infantry and coast artillery units. The cadets will be commissioned second lieutenants in the Officers' Reserve corps.

STOVER TO GIVE OATH

Maj. H. E. Stover, coast artillery reserves, will administer the oath of office to the graduates, and Pres. F. D. Farrell will give a short talk. Lieutenant-Colonel Campbell will preside at the exercises.

Infantry students who will receive their commissions are:

Louis Akers, Atchison; Robert Blair, Ottawa; John Brock, Glasco; Lester Brown, Circleville; Paul Brown, Sylvan Grove; Augustus Douthitt, Winfield; Leslie Droge, Seneca; Wellington J. Dunn, Tescott; Charles Fairman, Manhattan; Orval Harold, Oberlin; John Haymaker, Manhattan; Neal Jenkins, Manhattan; Walter Keith, Manhattan; Theron King, Manhattan; William Langworthy, Manhattan; Worth Linn, Manhattan; Frank Lonberger, Manhattan; Dean McCandless, St. John; Boyd McCune, Stafford; Nolan McKenzie, Solomon; Milton Manuel, Havensville; Ralph Marshall, Manhattan; Donald Merten, Morganville; Kenneth Middleton, Manhattan.

45 IN INFANTRY

Frank Miller, Milford; Glen Mueller, Anthony; John Muir, Norton; William Nichols, Waterville; Robert Page, Topeka; George Peircey, Waterbury, Conn.; Norman Praeger, Clafin; Lowell Ray, Wiley; Robert Rogers, Manhattan; Fred Rumsey, Kinsley; Keith Schmedemann, Junction City; Claude Shenkel, Lyons; Joseph Skaggs, Leavenworth; Charles Stafford, Republic; Robert Swanson, Waterbury, Conn.; Wallace Swanson, Sharon Springs; Lewis Turner, El Dorado; Rennie Tye, Hanover; David Van Aken, Lyons; Robert Wells, Manhattan; and Cecil Wenkheimer, Hutchinson.

The 55 coast artillery graduates include:

Charles Adcock, Washington, D. C.; Wilfred Anderson, Clay Center; John Babcock, Manhattan; Frank Bates, Topeka; Carl Besse, Clay Center; Carl Beyer, Glen Elder; Charles Buck, Anthony; Ray Bukaty, Kansas City; Richard Cech, Kansas City; Robert Colburn, Spearville; David Crews, Manhattan; Durward Danielson, Clyde; Duane Davis, Beloit; Virgil Dilsaver, Athol; Vincent Ellis, Urbana, Ill.; Melvin Estey, Langdon; Clair Ewing, Blue Rapids; Fred Eye-stone, Wichita; Merle Poland, Almena; William Fullerton, Independence, Mo.; Bill Geery, Burrton.

55 IN COAST ARTILLERY

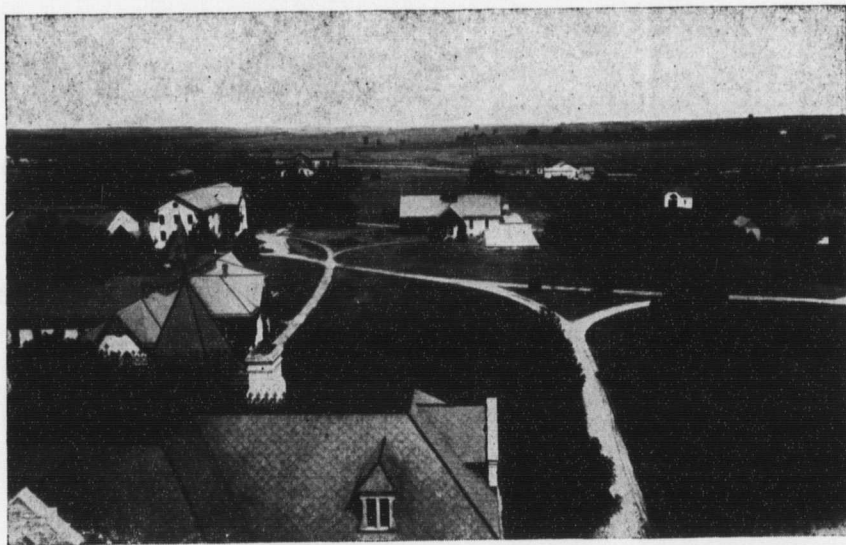
Mahlon Giffin, Sedgwick; Wyeth Green, Mound City; Paul Hannah, Osborne; Eugene Haun, Larned; Lacy Hightower, Centralia; Bill Horton, Wichita; Harry House, Cheyenne, Wyo.; Robert Huffman, Kansas City, Mo.; Tom Joyce, Ulysses; Bill Keogh, New York City; Shelby Lane, Bucklin; Wilbur McNeese, Atchison; Dennis Murphy, Little River; Bernard Nash, Lakin; Gordon O'Neill, Ransom; Max Opperman, Yates Center.

Keith Pendergraft, Emporia; Wallace Rankin, Manhattan; Charles Rindom, Liberal; Donald Lee Rumsey, Kinsley; Ivan Salts, Mayetta; Charles Schafer, Vermillion; Bernard Schmitt, Powhattan; Jack Sheets, Cozad, Neb.; Walter Singleton, Tribune; Laurence Slief, Pratt; Richard Smith, Salina; Allen Smoll, Wichita; John Stoskopf, Hoisington; Guy Warner, Bucklin; Garold Way, Wichita; Rex Wells, Marysville; Carlyle Woelfer, Manhattan; and Tom Woods, Burrton.

Selvidge Chosen Chairman

At a recent meeting of the Institute of Radio Engineers, a national organization, Dr. Harner Selvidge of the Department of Electrical Engineering was chosen chairman of the Kansas City section.

View of Campus Roads 50 Years Ago



View showing the triangular junction of the roads from the Lovers' lane entrance, Anderson hall and the shops about 1892, and the walks from Chemistry building to the shops and the old Horticultural hall. Seen from the roof of Anderson hall.

CAMPUS ROADS

(Continued from page one)

pletely across the farm. At a convenient place a branch curved toward the south and passed in front of Anderson hall. Farther west a branch curved off to the north, passed the front of the shops and continued north past the "old barn," then turned to the northeast, and led to the second stone barn, where it joined the other road from the east.

Another curved road connected the Anderson hall branch with the main road and the branch leading to the shops. The main road and the two curved branches serving Anderson hall enclosed a triangular area, in the center of which stood an elm tree. This triangle was about at the center of the area upon which Denison hall was located in 1901, and placing that building at that point determined changes in the roads. The curve from Anderson hall to the main road north was made much flatter, and cutting through a fine group of pines assumed its present course. The mutilation of this grove of pines aroused the wrath of Professor Popenoe to an inexpressible pitch. Placing Denison hall on that site was in flagrant violation of the campus plan made by Maximilian Kern and adopted by the State Board of Regents in 1885.

In 1882 the State Board of Regents decided to establish the principal entrance to the campus opposite Vattier street where it still remains. Near the foot of the hill a branch to the northwest connected the new road with the old one, and thus a loop was created in front of Anderson hall. Provision was made for suitable gateposts and gates, and for grading and graveling the road from the gate to Anderson hall, the loop and the other principal drives, the work being completed by September, 1883. This provided access to all the buildings over improved roads. However, only a few Manhattan streets were graded and none were hard-surfaced at that time.

The gravel used on these roads was obtained from the old College farm, where, mingled with more or less clay, flint nodules had been left as a residual deposit from limestone. It was a good representative of the material that has supplied the name for the Flint hills of Kansas. When the farm teams were not otherwise employed, hauling gravel for the College roads was for some years an ever-present opportunity for usefulness. Prof. E. M. Shelton, professor of agriculture, was in 1876 placed in charge of all roads on the farm. Later the care of the roads was given to the professor of horticulture.

In the fall of 1884 the south wing of Anderson hall was completed, and the next spring the graveled road from Vattier street was extended along the south side of Anderson hall and to the rear of the building. This facilitated dumping coal into a coal cellar adjoining the basement under the chapel in Anderson hall. This drive continued north to the front of the shops, where it connected with the Lovers' lane road.

In the spring of 1885 a north-and-south road was opened and graded from the south end of Anderson hall to the highway south of the campus, which required the construction of a stone-arched bridge across the Howard ditch. At a later date Sixteenth street was located opposite this entrance to the campus.

In 1891 the Lovers' lane road was graveled and those previously surfaced received a new coat by way of repairs. However, extension of the use of gravel was discontinued and in October, 1895, the purchase of a

crusher to break limestone was authorized.

The summer of 1896 the north-and-south road from Anderson hall, along the west side of Fairchild hall to the south side of the campus, was paved with crushed limestone. In paving this road, Professor Hood mounted the crusher on a truck which was moved as necessary, and the broken stone was deposited directly on the road-bed. Electric power from the recently placed generator in the shop was supplied to the crusher. More than 300 cubic yards of rock was used on 600 feet of road.

In 1898 the road east from Anderson hall was macadamized to the foot of the hill, and this construction was continued to Vattier street the next year.

When the Auditorium was located in 1904, a circling detour to the east left the north-and-south road near the south end, passed along the west side of the Auditorium and back to this road near the southwest corner of Fairchild hall. When Nichols Gymnasium was located in 1910 it was placed directly across this north-and-south road and the branch to the Auditorium was blocked, and consequently abandoned. Vehicular access to that building was thus destroyed, and great public inconvenience in its use was created and still continues.

In the meantime Kedzie hall and Calvin hall had been built. In 1907 another north-and-south road had been opened from the old power plant at the north to the highway south of the campus, passing to the rear of Kedzie hall. Another arched bridge over the Howard ditch was constructed for this road, the chief use of which was in hauling coal and other freight. The north end of this road was abandoned when changes were made in the power plant, but the remainder still constitutes an inconvenient but important means of access to Nichols Gymnasium, Calvin hall and Kedzie hall. A branch to the east north of Calvin hall for some years made a connection with the remnant of the old north-and-south road. These sections between Kedzie, Fairchild and Calvin halls with parking space in front of Kedzie were removed later. The last remnant gave

way to grass in 1931.

When Denison hall blocked the Lovers' lane road, access to the shops from that direction was cut off, and with the erection of Waters hall the road from the shops to the barn was abandoned. An east-and-west road north of the shops and the old horticulture building, now Illustrations hall, survived for some years as did other interior drives the location of which is hard to designate.

The placing of new buildings has usually meant the vacating of old roads or parts of them and the location of new ones, and gradually the present system has been produced. It lacks much in convenience, but improvements in that respect are hard to suggest. The foregoing narration emphasizes the saving in money and convenience that would have been made if a comprehensive, adequate campus plan had been adopted early and followed consistently.

The first cement paving on the campus was laid as an experimental project, and covered the road from the Vattier street entrance and around the loop in front of Anderson hall. This was built in the spring of 1914. Cement as a material for road construction was still more or less on trial, and that required for this road was furnished free by the Association of American Portland Cement Manufacturers. The material in the old road served as some foundation for the new one, but was brought to a proper grade. The new material was an aggregate of crushed hard limestone, sand and cement. Prof. L. E. Conrad, head of the Department of Civil Engineering, superintended the construction. This road has been perfectly satisfactory and shows very little deterioration at this date, after 27 years of heavy use.

The Legislature of 1929 transferred \$12,000 from the savings made by Van Zile hall, and held in the "dormitory operating fund," to a fund for "special improvements." The following summer the road from Manhattan avenue passing in front of Van Zile hall and on south to the paving southeast of Denison hall was laid out and curbed. This included the arched stone bridge at the watercourse. At the same time a cement walk was laid beside most of this road, with branches to Waters hall and the Library. The road west of Calvin hall and Kedzie hall, connecting Anderson avenue and the pavement south of Engineering hall, was curbed and guttered.

Other drives on the campus have been paved with cement as financial means have been provided. The road south of Engineering hall was paved in 1924. The road west of Calvin hall was paved in 1931. Materials were furnished by the College, and payment for labor was made from a fund provided by relief contributions made by College employees and others in Manhattan. Each contributor was asked to give one day's wages, salary or income to this relief for the unemployed.

Curbs and gutters for the road east of the stadium were placed in 1932, and the cost for labor was met in part by funds donated for the relief of unemployment. This road was paved in March and April, 1934, and was a relief project also. In April and May of that year, the road east of Education hall was paved.

EVERYDAY ECONOMICS By W. E. GRIMES

"More people were seeking a living from agriculture in 1940 than in 1930."

More people were seeking a living from agriculture in 1940 than in 1930. The increase in the number of such people in the United States during these 10 years was more than 2,000,000. This increase is accounted for by the higher birth rate among farm people, the failure of the usual number of young people to migrate from farms to cities and, in some areas, an actual back-to-the-farm movement.

This increase in the number of people seeking a living from farming occurred at a time when the markets for farm products were shrinking rather than expanding. Many foreign markets that were open for American farm products in 1930 were closed in 1940. The ability of the people of America to buy farm products was no greater in 1940 than in 1930. These things contribute to the farm problem. The total agricultural income in 1940 was divided among the

larger number seeking a livelihood from the production of agricultural products. The inevitable result was a lower income to the average individual engaged in agricultural pursuits.

As long as farm families continue to be the chief dependence for population maintenance and replacements, this piling up of population in rural areas in times of depression will continue. Satisfactory conditions are dependent upon a normal migration of farm youth to urban employment. Farm families of America have more children than are needed to maintain the farm population. Urban families, as a rule, do not have sufficient children to maintain their numbers. Urban population is maintained by the migration of farm young people to the towns and cities. Whenever this normal movement is checked, difficulties arise.

ROCKHURST HAWKS BEAT K. S. C. IN NIGHT GAME

WILDCATS LOSE, 7-6, DESPITE FIVE-RUN RALLY

Kenney Graham, Framingham, Mass., First Baseman, Hits Home Run in Fourth Inning to Start Spree of Scoring

The Kansas State College baseball team staged a fourth-inning rally of five runs Tuesday evening, but was unable to hold back the Rockhurst College Hawks. The Wildcats lost the game, 7-6, in their second contest under lights this season.

The Hawks scored twice in the first inning and three times in the fourth to hold a five-point lead over the Wildcats as the home team came to bat in the last of the fourth frame. Kenney Graham, Framingham, Mass., first baseman, started the batting spree when he smacked a home run over the right-field fence for the first score.

ROKEY GETS DOUBLE

Ray Rokey, Sabetha, next man up for the K-Staters, then connected with a double, followed by singles from Neal Hugos, Manhattan, and Chris Langvardt, Alta Vista. At the end of the inning, the Wildcats had tied the score.

Lee Doyen, raw-boned sophomore from Rice, who pitched the first night game against the University of Oklahoma Sooners last week, struck out eight Hawks during the game. The visitors, led by Frank Muckenthaler, pitcher, garnered a total of 11 hits. Doyen was given four assists during the game, three of them coming when he caught Kansas City baserunners attempting to steal.

In the sixth inning, the Hawks again took the lead with two more scores. The Wildcats attempted another rally in the following frame, but were turned back with a single score. The last two innings were scoreless.

CHRIS LANGVARDT RETURNS

Langvardt, a three-sport star at Kansas State, was back in the Wildcat lineup Tuesday evening after missing three games with a spiked hand suffered in the first game with the University of Oklahoma.

The Wildcats will meet Maryville, Mo., Teachers' college on the Maryville diamond next Friday and Saturday in non-conference games. They will return to conference competition next week when they play Iowa State college at Ames.

WILDCAT BASKETBALL SQUAD WORKS ON NEW ATTACK STYLE

Coach Jack Gardner Protoges Experimenting with Revolving Offensive in Spring Drills

Kansas State College's basketball team is preparing to come up with a new style of attack next season, the product of Coach Jack Gardner's experimentation in spring drills.

"A new type of revolving offense designed to put more burden upon a man-for-man defense" is the way Gardner describes the method of obtaining baskets. And the young mentor has been pleased with the system as used by his cagers the past two weeks.

Work with the new offense is the result of the development and growth of the man-for-man defense, especially in the Middle West, Coach Gardner explains. This defense has become tougher to score against and is being used by more and more teams. With the exception of Missouri, every team Kansas State played last season used the man-for-man. The Wildcats have concentrated upon a new offense this spring, but Coach Gardner is not neglecting preparations for other styles of defense.

Coach Gardner's system will be tested under fire this week in an intrasquad game which will climax the spring drill sessions.

Several freshmen show promise of giving veterans a battle for regular positions. They include John St. John, Wichita, Ken Messner, Arkansas City, and Max Roberts, Chanute, guards; Bill Engelland, Sterling, and Marlo Dirks, Moundridge, centers; Fred Kohl, Kansas City, Mo., Leo Headrick, Kansas City, and Bruce Holman, Powhattan, forwards.

Hornsby Leads Batters

Warren Hornsby, shortstop from Topeka, still retains batting honors for the Kansas State College baseball team. The hustling junior has an average of .344 for eight games.

THE KANSAS INDUSTRIALIST

Volume 67

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, May 21, 1941

Number 31

BLUE NETWORK TO CARRY HARBORD'S DINNER TALK

GENERAL WILL SPEAK SATURDAY
FROM 8:45 TO 9 P. M.

Gaylord Munson, '33, Junction City, Head of Alumni Association, Will Be Toastmaster at Annual Banquet

A 15-minute address by Maj.-Gen. James G. Harbord, '86, at the alumni-senior banquet for members of the 1941 graduating class will be broadcast through facilities of the blue network of the National Broadcasting company. General Harbord, chairman of the board of Radio Corporation of America, has chosen the subject, "Useful to Civilization."

The broadcast, direct from the main floor of Nichols Gymnasium on the College campus, will begin at 8:45 p. m. (Manhattan time) Saturday night, May 24. General Harbord will be introduced by Pres. F. D. Farrell.

MUNSON WILL PRESIDE

Blue network stations which may be heard in this area include: WREN, Lawrence; KMA, Shenandoah; KOWK, Omaha; WLS-WENR, Chicago; WSN, Nashville, Tenn.; KVOD, Denver; KTHS, Hot Springs; KANS, Wichita; KOAM, Pittsburg; KOA, Denver, and WOI, Ames, Iowa.

Gaylord Munson, '33, Junction City, president of the College Alumni association, will be toastmaster at the alumni-senior banquet.

Ray Bukaty, senior class president, will give a response. A piano solo by Mary Jane Boyd, and a vocal solo by Mary Harding Dillin, two senior music students, also are on the program. Miss Dillin will be accompanied by Mrs. Edwin Sayre. Edwin Sayre, associate professor of music, will be the song leader. Gov. Payne H. Ratner will bring greetings to the group.

DANCE WILL FOLLOW

The dance will follow the program in the Gymnasium.

Chairmen of the various committees for the alumni-senior banquet are: Kenney L. Ford, '24, general and program committee; Prof. S. W. Decker, '24, decorations committee; Dr. Martha Pittman, '06, table and menu committee; Prof. F. A. Smutz, '14, physical arrangements committee; Prof. M. A. Durland, '18, checkers committee; Floyd Patterson, '12, posters committee; Prof. A. P. Davidson, '14, ticket sales committee; H. W. Johnston, '99, registration committee; Kathleen Knittle, '23, alumni-entertainment committee; Dr. B. H. Fleenor, '19, alumni-procession, class-reunion and ushers committee, and Dean R. R. Dykstra, faculty table group committee.

METROPOLITAN SINGER TO APPEAR

Arthur Kent, Metropolitan Opera bass and baritone, will sing at the traditional recital given in compliment to the graduating class. The concert will start at 4 p. m. in the College Auditorium. Mr. Kent won the 1940 Metropolitan Auditions of the Air and obtained a contract with the opera association and a \$1,000 prize.

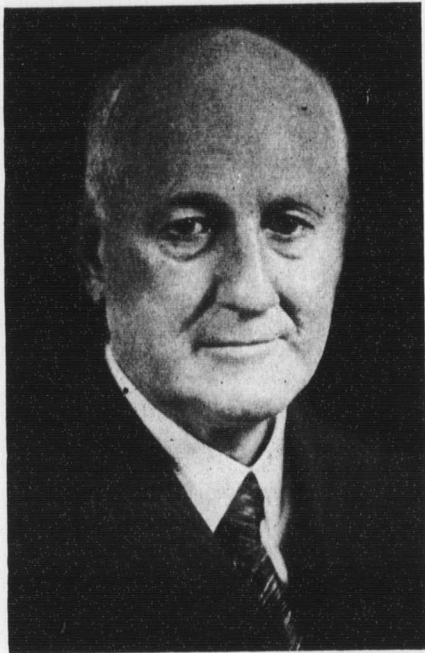
Dr. George D. Stoddard will deliver the baccalaureate address to members of the 1941 graduating class Sunday night, starting at 7:15 p. m. His subject will be "The Limits of Education."

IOWA DEAN WILL SPEAK

Doctor Stoddard is dean of the graduate college at the University of Iowa. A glance at his record shows that he has degrees from Pennsylvania State college, the University of Paris and the University of Iowa. His major field is psychology and he is head of the Department of Psychology at the university. He also is professor of child psychology and director of the Iowa Child Welfare Research station at the University of Iowa.

Members of the Board of Directors and the Advisory Council of the College Alumni association will meet this week-end to discuss the association's policy for the coming year.

Will Broadcast



MAJ.-GEN. JAMES G. HARBORD

EXTENSION SERVICE LEAFLET HELPS NUTRITION CAMPAIGN

"Food for Fitness," Now Available, Aids Public Health Campaign in Kansas

To aid Kansas people in keeping themselves nutritionally sound, a new leaflet, "Food for Fitness," has been prepared by the College Extension service at the request of the state committee on human nutrition in relation to national defense.

Suggestions for a program on nutrition, to be carried out by women's organizations throughout the state, are contained in the brochure. Discussion questions, facts about the nutritional status of Kansas and suggestions for improving the health of the public by improving eating habits, are outlined.

There is a food score card—a practical and easy means of checking the adequacy of the daily food. A bibliography lists recognized sources of material for further study of foods and nutrition.

Material in the leaflet has been compiled by Miss Mary G. Fletcher, foods and nutrition extension specialist. Plans already are being made for a second pamphlet which will be completed October 1.

"Food for Fitness" will be sent, free upon request, to all program chairmen or presidents of women's clubs. Copies are being distributed to the 48 states. Organized farm bureau women's units of Kansas will receive copies.

FIELD DAYS IN AGRONOMY STARTING THIS MORNING

Morning Visit to Dairy Barn and Afternoon Tour of Farm Included on Program

The 17th annual Agronomy Field days at Manhattan begin today.

The program includes a visit to the dairy barn from 10 a. m. until noon and a tour of the agronomy farm in the afternoon.

The purpose of the Agronomy Field days is to give Kansans an opportunity to see what is being done on the experimental farm at Manhattan, Prof. R. I. Throckmorton said. It also gives them a chance to discuss the work with the men in charge of the projects.

The field days this year will feature the work with wheat, oats, barley and flax in the small grains; alfalfa and sweet clover in the legumes, and brome grass and native species in the grasses. Considerable time will be devoted to going over the work in soil fertility, crop rotations and soil management, the professor said.

During the tour of the agronomy farm most of the time will be devoted to studying the plots and not to the presentation of formal talks.

Professor Throckmorton said today would be designated for people living in the southern part of the state, and Thursday for those living in the northern part.

CHARLES SHAVER, '15, TO HEAD UNION GROUP

ORGANIZATION MEETING IS HELD
MONDAY AFTERNOON

Dean Helen Moore Selected Vice-President, While Dr. W. E. Grimes Is Chosen Secretary-Treasurer for Corporation

Charles Shaver, '15, Salina, was elected chairman of the Student Union corporation at an organization meeting Monday afternoon. Miss Helen Moore, dean of women, was elected vice-president. Dr. W. E. Grimes, head of the Department of Economics and Sociology, was chosen secretary-treasurer.

Pres. F. D. Farrell acted as temporary chairman and presided until permanent officers were elected.

DISCUSS CHARTER PLAN

The group discussed making application for a charter as provided by the law and the drafting of a set of by-laws.

All members of the corporation were present with the exception of Ray Rokey, Sabetha, who was on a baseball trip, and Dean R. A. Seaton, who is in Washington, D. C., on a year's leave of absence.

Student members attending the meeting included Marianna Kistler, '41, Manhattan; K. B. Lucas, Manhattan, sophomore, and Donald Edgar, graduate student. All were chosen, along with Rokey, by President Farrell from nominations made by the various class officers. Mr. Shaver and Miss Velma Koontz, '37, of Manhattan are the two chosen by the Board of Directors of the College Alumni association.

FIVE FACULTY MEMBERS

The five faculty members chosen by President Farrell are Prof. Paul Weigel, head of the Department of Architecture; Mrs. Bessie Brooks West, head of the Department of Institutional Management; Dean Seaton, Dean Moore and Doctor Grimes.

The corporation was organized to comply with the provisions set up in the Student Union bill passed March 27.

Miss Agan to Teach in Utah

Miss Tessie Agan will be a visiting professor during the summer session at Utah State Agricultural college, Logan. She will teach courses on housing in the Department of Home Economics. Miss Agan is assistant professor in the Department of Household Economics here.

1941 COMMENCEMENT CALENDAR

Class Reunions

'76	'11
'81	'16
'86	'21
'91	'26
'96	'31
'01	'36
'06	

SATURDAY, MAY 24

Alumni Day

- 10-12 a. m. Alumni registration, Recreation Center.
- 12 noon. Class luncheons.
- 2 p. m. Alumni business meeting, Recreation Center.
- 6 p. m. Alumni-Senior banquet, Nichols Gymnasium.

SUNDAY, MAY 25

- 4 p. m. Commencement recital, Auditorium.
- 7:10 p. m. Academic procession.
- 7:30 p. m. Baccalaureate services, Memorial stadium.
- Sermon by Dr. George D. Stoddard, dean of Graduate College, State University of Iowa, Iowa City.

MONDAY, MAY 26

- 3-4:30 p. m. Alumni-Senior reception, President's residence.
- 7:10 p. m. Academic procession.
- 7:30 p. m. Graduation exercises, Memorial Stadium.

Baccalaureate Speaker



DEAN GEORGE D. STODDARD

MORE THAN 1,500 MEMBERS WILL ATTEND 4-H ROUNDUP

M. H. Coe Announces That 12 Classes Replace Usual Eight on Program for This Year

Planning to attend the 19th annual roundup here June 2 to 7 are more than 1,500 4-H club members and leaders.

M. H. Coe, Kansas 4-H club leader, announces one important change in the program for 4-H club roundup this year. He said club members will go to 12 classes instead of the usual eight. With this arrangement, 4-H club leaders hope to have no crowded classrooms and a small or smaller number of members in a class. There will be no early morning assembly, but instead, three classes instead of two are scheduled for each morning.

Social activities planned for the week include a reception for the members who are high school seniors and high school graduates, given by the Collegiate 4-H club on Thursday afternoon, June 5. On June 2 Clovia, social sorority, has planned a tea for girl high school graduates who are present.

Who's Who, state honorary 4-H club organization, will announce names of new members. Initiation into this group will be held during the week for those in attendance at the roundup. This group also will announce the winner of the Who's Who scholarship, a \$150 scholarship to Kansas State College.

SUMMER SCHOOL ENROLMENT IS EXPECTED TO BE NORMAL

Defense Preparation, War and General Uncertainty Make Predictions Most Difficult

Although a normal enrolment for summer school is expected on May 28, registration day, despite defense preparation, war conditions and the general uncertainty of world affairs, College officials are reluctant to predict any definite estimate of what the enrolment will be.

Prof. E. L. Holton, dean of summer school, said that according to correspondence more teachers were expected to enroll for this summer session than before. Dean Holton said the graduate clinic in guidance scheduled for June 2 to June 21 should encourage summer school attendance and may be a factor in keeping enrolment figures at about the same total as in previous summers.

During the last three summers the enrolment has remained above 900, being 911 in 1938, 920 in 1939 and 935 last year.

The various divisions reported the usual amount of inquiries and letters concerning the summer session. Several department heads expressed the belief that enrolment will be approximately the same as during the last several summers.

ROTC Rated "Excellent"

The College Reserve Officers' Training corps units this year received an "excellent" rating at the annual inspection on April 28.

CANDIDATES NUMBER 673 FOR 1941 COMMENCEMENT

MISS JESSIE McDOWELL MACHIR
SAYS 32 SEEK MASTER'S

Total Exceeds by 39 the Number of Those Receiving Diplomas Last May; General Science Leads with 159 Students

Six hundred seventy-three students are candidates for degrees at the 78th annual commencement exercises Monday. The list of candidates, announced by Miss Jessie McDowell Machir, registrar, includes 641 candidates for bachelor of science degrees, 32 candidates for master of science degrees and one candidate for a doctor of philosophy degree.

Miss Machir emphasized that the names listed are those of candidates and that the candidate in each case must successfully complete final examinations and meet all other requirements in order to qualify for degrees.

GENERAL SCIENCE HAS 159

The list of candidates includes 121 in the Division of Agriculture, 61 in the Division of Veterinary Medicine, 151 in the Division of Engineering and Architecture, 149 in the Division of Home Economics, 159 in the Division of General Science, 32 in the Division of Graduate Study and one candidate, Charles Raymond Stumbo, Manhattan, for the doctor of philosophy degree.

Roy M. Green of Ft. Collins, Colo., president of Colorado State college, will receive an honorary doctor of science degree at the commencement exercises. Mr. Green was born in Carrollton, Mo., received his B. S. degree in agriculture from the University of Missouri and completed graduate work at Kansas State College in 1923 for his master of science degree. Mr. Green was on the faculty of the Department of Agricultural Economics at Kansas State College from 1920 to 1935.

The total of 674 candidates exceeds by 39 the total of 635 in May, 1940.

The divisional totals of candidates for B. S. degrees include 14 candidates for the degree in milling industry in the Division of Agriculture. The Engineering and Architecture total includes seven in agricultural engineering, five in architecture, 10 in architectural engineering, 24 in chemical engineering, 24 in civil engineering, 38 in electrical engineering, three in industrial arts and 40 in mechanical engineering.

The total of 149 in Home Economics includes four candidates for a B. S. degree in home economics and nursing.

51 IN BUSINESS ADMINISTRATION

The General Science totals include 61 candidates for a B. S. degree in general science, 51 in business administration, 10 in industrial chemistry, 19 in industrial journalism and printing, nine in music education and nine in physical education.

The list of candidates for degrees:

Bachelor of Science in Agriculture: Merrill Glee Abraham, Wayne; DeWitt Benard, Ahlerich, Winfield; Richard Elton Atkins, Manhattan; Merton Bierman Badenhop, Kensington; Edwin Leroy Betz, Enterprise; James Frederick Booth, Fairview; Edward Francis Brenner, Bazine; Francis Richard Brown, Fall River; Lester Earl Brown, Circleville; Paul Lawson Brown, Sylvan Grove; Orville Brown Burtis, Hymers; Glenn Morton Busset, Manhattan; Severo Jose Cervera, Junction City; George Wilson Cochran, Topeka; Wayne Robert Colte, Sterling; Lee Wilson Collinsworth, Rosalia; Stanley Elbert Combs, Wilson, N. C.; Don Eldon Crumbaker, Onaga; Emerson Lyle Cyphers, Fairview; Paul Stromquist, Danielson, Lindsborg; Clayton Cunningham David, North Topeka; Darold Ardale Dodge, Dighton; John Wallace Dummermuth, Barnes; John Page Earle, Washington; Harry Eugene Fair, Alden.

John Philip Featheringill, Independence; Taylor Leland Fitzgerald, Silver Lake; John Lowell Foley, Manhattan; Harold Robert Fox, Rozel; HoBart William Frederick, Burrton; LeRoy Frank Fry, Little River; Bertram Wallace Gardner Jr., Carbondale; Frank Jackson George, Lebo; Wilbert Greer, Council Grove; Leland Leon Groff, Parsons; Melvin Ferdinand Gruber, Hope; Frank Wilson Howard Jr., Oakley; Howard McCune Hughes, Formoso; Rees Woodford Hughes, Fort Scott; Dale Craig Hupe, Perry; Harold Rolland Jaeger, Vesper; Kenneth Ralph Jameson, Ottawa; Herbert Donald Johnson, Macksville; Lloyd Charles Jones, Frankfort; Walter Marvin Keith, Manhattan; Mary Evelyn Kennedy, Lawrence; Chris William Langvardt, Alta Vista;

(Continued on last page)

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACHERY Editor
HILGER KNIGGSBAUM, RALPH LASHBROOK, JANE
ROCKWELL, PAUL L. DITTMORE Associate Editors
KENNEY FORD Alumni Editor

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alumni association included.



WEDNESDAY, MAY 21, 1941

A STUDENT PLEA

An editorial plea for maintenance of individual standards in a chaotic world appeared in the final issue of The Kansas State Collegian for the current College year. The Collegian is edited by Walter Martin of Pratt, member of the 1941 class. The editorial was written by Mary Margaret Arnold, a member of the 1943 class and Collegian editor-elect. It is reprinted here because its content is of interest and value to alumni and friends of Kansas State College, and to the general reader. Under the caption "End of School Year Finds Chaotic World," The Collegian said:

The termination of the school year finds the world in as chaotic a state as members of our generation have ever known. Graduating seniors are going out to find their places in this chaos, not knowing whether it may be on a battle field, in a munitions factory or in an office in a reasonably normal world.

Many undergraduates are leaving Kansas State sadly, knowing that the next year of their lives will, in all likelihood, be donated to Uncle Sam. Even instructors are being called from the classroom to assume their parts in the national defense program.

An entire generation is becoming the victim of circumstances, just as other war generations have become. An abnormal world situation necessitates an abnormal life plan for today's youth.

It is entirely too true that when, in the course of human events, individuals are directed and controlled by circumstances, their thoughts and opinions and ideals become stereotyped. They accept the circumstances and the philosophies underlying them as inevitable, to be taken for granted.

Let us make a plea for individual thought and action, despite the program which is herding vast numbers of youth into mental as well as physical uniforms. A conscious effort at resisting the temptation to become a carbon copy of a thousand others may help to save intellectual freedom and progress in such a time as this.

BLITZKRIEG ON CHINCH BUGS

If it isn't one thing to harass the farmer, it's another. No sooner had the weather man banished the worries of a dry spring than someone goes out and finds that chinch bugs are likely to become epidemic during the growing season. And if the farmers, particularly in eastern Kansas, don't take preventative measures, they'll be seeing their corn and sorghums gobbled up by the voracious pests.

The Kansas State College Department of Entomology, also alert for insect enemies, has sounded the alarm. Bunches of grass along fence rows and elsewhere are full of bugs, just awaiting the proper time to invade the fields. If the investigators hadn't warned the farmers the scourge would have slipped in on them some summer night and eaten their way up and down the rows.

The farmers owe Kansas State College much gratitude for the many experiments, for advice on pastures and soils and for many other things besides the close watch kept on insects. Advance notice of grasshoppers, chinch bugs, army worms and

the other pests has saved Kansas farmers millions of dollars.

When this defense program is completed, perhaps the technicians and chemists will lay aside their thoughts of war and start turning out dope and machines for ridding the world of the bugs, flies, germs and other enemies of the farmer. But for the present, the best backfire against chinch bugs is a wide strip of alfalfa, sweet clover or flax, which serves as a barrier against the ravenous insects. Come July and August the cornfields will be headed for good yields, and it will be too bad if the bugs lay the stalks low.—Editorial comment in the Topeka Daily Capital.

IRISH POTATOES

The Irish potato is not only not Irish but is not the plant to which the name "potato" was first applied. Furthermore, although it is an American vegetable due to its South American origin, it reached North America only by a circuitous route, being carried here by Scotch-Irish immigrants in 1719, after it had been grown commonly in Ireland for about 50 years.

The word "potato" is derived from *batata*, indigenous American name for the sweet potato, a member of the morning glory family. The Irish potato is a member of the nightshade family. This latter includes other common edible plants—the tomato and eggplant—and is known also for tobacco, and for several deadly poisonous species of plants such as belladonna and bittersweet. These latter were used in the practices of sorcery and witchcraft a few centuries ago. Because of the so-called Irish potato's relationship to them, there long existed in Europe a strong prejudice and fear which acted against its use as a food. The word *batata* is still applied to sweet potatoes in the Latin-American countries.

At the present time it is generally accepted that the earliest known source of the Irish potato was Chiloe, an island off the coast of Chile. The Spaniards carried it to Europe, about 1580. Numerous relatives of our cultivated potato are cultivated also in the Andes, and many others grow wild.

The potato was perhaps the greatest gift of the New World to the Old. It has been estimated that the value of one year's potato crop of the whole world is greater than that of all the gold and silver taken to Spain from Mexico and Peru.—From Field Museum News.

CENSUS SIDELIGHTS

The census has unearthed many interesting facts and sidelights in addition to recording vital information desired by the federal government.

For instance, there were 5,000,000 more home units in 1940 than in 1930. This increase seems natural enough since the population also increased. The interesting thing, however, is that the number of homes increased faster than the population. The total number of people increased only 7.2 percent in the decade, but the number of separate households increased 16.6 percent during the same period.

Fewer families "doubling up," more people marrying, as the worst of the hard times passes by, seems to be the answer.

Those manufacturing and those marketing the things households use will note that it is possible for the market to increase faster than the population.—Editorial comment in the Hastings, Neb., Daily Tribune.

FREEDOM OF THE PRESS

As to freedom of the press, I believe we have it in full measure.

But we must always remember that in order to be completely free to attack evil, the press must also be free to embrace it, for what I consider evil, someone else may believe to be beneficent.

In the long run, it is the newspaper reader who determines the contents of the printed pages. As his standard rises, so will that of the press.—H. V. Kaltenborn, in the St. Louis Post-Dispatch.

SOUTHERN AGRICULTURE

There are less acres under cultivation in the South today than there were in 1860. That land is far less productive today. And yet there are twice as many families trying to squeeze out a living on those acres today as there were in 1860. There is the problem, in a nutshell.—W. W.

SCIENCE TODAY

By ARTHUR L. GOODRICH
Assistant Professor, Department of
Zoology

When a new student entered a chemistry laboratory 100 years ago, his attention early was called to the distinction between a mixture and a compound. The student noted the attributes and properties of two substances, and the properties and peculiarities of a material resulting from the proper mixing and reaction of the two separate materials. He was led to realize that the structure of the resultant compound had something to do with the distinctive qualities and properties it exhibited—that the new and distinctive properties come into being rather suddenly under certain conditions, but not otherwise.

George Henry Lewes in 1875 suggested a name for this long-known phenomenon, that of "emergence." It is a concept which implies that from a knowledge of the attributes of certain materials one cannot foretell exactly the attributes of a combination (a compound, not a mixture) of those materials. This most fruitful concept is widely used in the physical and biological sciences as a means of appreciating otherwise rather unexplainable results of natural and experimental processes.

To the concept of emergence may be linked the philosophy of holism, or wholeness. Briefly, holism or wholeness suggests that all natural objects, whether inanimate or animate, must be regarded as discrete entities, as wholes, rather than as aggregations of constituent elements or parts. It suggests that "things become the mechanisms of their parts," or are more than the sums of their parts.

What bearing can emergence and holism have upon the subject of viruses, those insidious entities whose effects upon animals and plants may be so destructive? Again chemistry comes into the picture.

Wendell Meredith Stanley, aged 38 years, already several times a doctor of philosophy and doctor of science, biochemist with the Rockefeller Institute of Medical Research, is responsible for some remarkable work and statements relative to viruses.

Historically, the word virus seems to have received its medical connotation in 1798 through the writings of Edward Jenner, famed for his discovery of vaccination as a means of combating smallpox. In 1892 Ivanovski demonstrated that the material causing the mosaic disease of tobacco leaves could pass through the pores of the finest known filters, from which we derive our term "filterable viruses" for such materials. Doctor Stanley satisfactorily demonstrated the protein nature of the tobacco mo-

saic virus in the early thirties, and succeeded in isolating it in considerable quantities in complex crystalline form in 1935. Since that time, Doctor Stanley and his colleagues have been studying the structure of its invisible molecular makeup.

It is probable that a virus owes its destructiveness to certain configurations or peculiarities of its molecular structure. These configurations can be destroyed and restored through chemical procedure. By proper manipulation, the virus molecule may be caused to lose its destructiveness yet retain its power of creating antibodies or immunizing materials within host tissues. By proper manipulation, the altered molecules may be restored to their destructive condition. Inactivated viruses of other diseases than tobacco mosaic have been successfully used as a means of building up immune conditions within the host without subjecting the host to a diseased condition. The difficulty confronting extensive use of this approach to the control of virus diseases lies in successfully inactivating the virus without destroying its powers of creating antibodies. There is definite hope that further research may develop a satisfactory line of attack which will reduce such viruses as those of infantile paralysis and influenza to harmless agents useful in immunizing human populations instead of causing the wholesale misery and heartache which rules at present.

How a crystalline substance out of a reagent bottle can, when placed in the sap of a susceptible tobacco plant, reproduce itself within the living tissues of the host is as yet unsatisfactorily explained. A suggestion is that the compound enters into the normal chemical reactions going on in living tissue in such a manner as to alter the norm into the production of replicas of the virus molecule. If this proves true, we may at last have an explanation of how the particles supposedly existing in living cells and responsible for the transmission of their heritable qualities are duplicated generation after generation. If this proves true, we may have additional support of the theory that living substance is more than the sum of its component parts, that holism and emergence are fact.

As Doctor Stanley suggests, we may begin to assume that there is no borderline between non-living and living substances, "that the principle of the vital phenomenon does not come into existence suddenly but is inherent in all matter," obtaining reality or expression by emergence resulting from proper combination or compounding of certain highly complex constituent elements.

ence in Home Economics and the northcentral regional meetings for vocational education.

THIRTY YEARS AGO

H. N. Whitford, '90, was chief of the Bureau of Forestry in the Philippine Islands.

Eastern alumni of the College held a reunion in New York City. R. R. Rees, '85, representative from the fifth congressional district of Kansas, was the principal speaker.

V. E. Bryant, '10, received his master of science degree from the University of California. Mr. Bryant was an instructor at the University of California the preceding year.

FORTY YEARS AGO

C. J. Doane, '96, was bacteriologist in the Maryland Agricultural college.

Professor and Mrs. Metcalf planned to leave Manhattan after the close of College in June for Burlington, Vt., where they were to be in charge of the Department of Oratory at the Lake Champlain Chautauqua assembly. After the assembly in August, they planned to visit friends in Boston and other Eastern cities before returning to Manhattan.

Dr. S. Sisson, student in 1883, since graduated from the Toronto Veterinary college and the University of Chicago, accepted the chair of anatomy and operative surgery in the Veterinary College of Ohio university. Doctor Sisson was for a number of years instructor in anatomy at Toronto and for the preceding two years

professor of physiology and zoology at this institution.

FIFTY YEARS AGO

A. I. Blain, '79, was engaged in fruit-growing at Azusa, Calif.

E. F. Nichols, '88, received the award of a fellowship in physics, one of eight, at Cornell university, Ithaca, N. Y.

W. E. Whaley, '86, resigned as principal of Manhattan schools in order that he might pursue special studies at Cornell university for several years.

SIXTY YEARS AGO

Wirt W. Walton, escorted by George S. Green, Manhattan, was a visitor at the College.

At the regular meeting of Society the question for debate was discussed by Messrs. Copley and Short and the Misses Coburn and Campbell.

KANSAS POETRY

Robert Conover, Editor

JEALOUSY

By Zana Henderson

A jealous love is a little house,
Fire-bright, fire-warm within;
The roof of lightest, dryest thatch,
The walls so thin, so thin.

Too pitifully frail this house
Such ominous heat to hold . . .
The roof flames, the walls char
To ashes cold and cold.

Zana (Mrs. C. L.) Henderson, Wichita, was born in Minnesota, reared in the deep South and has lived in Kansas for nearly a quarter of a century. She has written numerous poems which have appeared in many publications. Her first attempt at fiction writing was published in the 1940 issue of The Kansas Magazine.

SUNFLOWERS

By H. W. Davis

LEAVE IT TO U.S.!

If and when we get into a shooting war, I for one hope we don't overdo "military secrecy" or "aid and comfort to the enemy."

But I am fearful.

Already there is a widely disseminated suspicion seeded in the American mind that only a very few individuals at Washington, D. C. (and I mean a very, very few) should be expected to know what the exact situation is, and what has been, is being and will be done about it. With that as a spring-board it is too easy for us the people to conclude that our opinions are hardly worth the breath it takes to utter them.

The final result may be that everybody will preface his most inane and innocuous opinions with an apologetic "of course I don't know, but it seems to me that . . ."

The out-pour of "I-don't-know," "buts" already has me awfully sick and tired. In a month or so Idunnobuts (which is not far off-rime with "robots") may achieve the maximum majority of ninety-nine and ninety-nine hundredths per centum. Then we shall all slink silently into an inferiority stupor that may, before you can say Jack Anybody, snuff out the democratic independence for which we are giving our all—with interest.

Well, whatever you think, or would like to think, my unsolicited prescription in this emergency calls for reasonably safe frankness and honesty (even down into ugly, unpleasant facts) from the administration, mixed with frequent (and honest) "why's" and "what for's?" from the administered. Thus and thus only, chirps my feeble mind, can a democracy worth dying or living for be kept breathing during a long war. The concentration of information and intelligence is precisely what democracy is not—or I have been kidded.

Truly long-visioned administration of anything—a home, a canning factory, a school or college, a city, a nation should see that dependable morale within is effected only when the administered feel they are trusted and their freely fed intelligences respected. Leave-it-all-to-me leadership (Hitler's formula) is on the other end of the see-saw.

You see, I hope the District of Columbia will be smooth enough to make the United States feel that somehow or other, and in the long run, the nation is boss and its interests paramount.

AMONG THE ALUMNI

Edward O. Sisson, '86, wrote, after looking over a list of his classmates, "Doesn't this list demonstrate the extraordinary longevity of K. S. C. grads? Every one of the 12 survivors is over 72 except myself—and I'll be 72 on the 24th of this month." Mr. Sisson's address is Star Route 1, Box 105, Bremerton, Wash.

Louise (Reed) Paddleford, '91, is now a "grandmother-in-law" home, where I tell the rest of the family how we used to do in the 'good old times.' Her daughter is Alice (Paddleford) Wood, I. J. '25, and their home is at 114 Burns terrace, Penn Yan, N. Y. Since graduation in 1891, Mrs. Paddleford has taught school, studied kindergarten in San Diego, Calif., and taught there three years. Her husband, Eli M. Paddleford, was a Methodist preacher and she lived in various parsonages for 33 years. When her husband died in 1932, she lived with an older sister in Holton until she died in '39. Then she sold the home and came here to live with her daughter.

Mary K. (Painter) Rogers, '96, and her husband, S. N. Rogers, Meade, have seven children and 15 grandchildren. She writes: "My life has not been all fun nor sitting holding my hands for long at a time—till my health broke down, putting a stop to much activity. Besides raising my family I took care of the post office nearly two years, managed a country store, was superintendent of Sunday school several years, taught at one time and another classes from primary to old folks' class in church and club work."

Cyrus N. Allison, B. S. '01, and Leonora D. (Eggen) Allison, f. s. '00, live at 2417 Harlan, Falls City, Neb. Mr. Allison started the practice of dentistry in May, 1903, after passing the Oklahoma examining board. He graduated from the Western Dental college, Kansas City, Mo., in 1905 and located at Falls City, where he has been since except for one year during the World war during which he served in the capacity of YMCA overseas secretary.

Hubert L. Popenoe, '09, visited Kansas State College campus May 14, accompanied by his wife and his brothers, Edwin A. and Dr. Parkison Popenoe of California Institute of Technology. All are sons of Edwin A. Popenoe, former professor of entomology here. Hubert is superintendent of grounds for Claremont college and Pomona college, Claremont, Calif.

Juanita (Kempton) Fisher, D. S. '13, is at 4025 Bellefontaine, Kansas City, Mo. She visited the campus in May with her husband, who spoke at the scholarship assembly as a representative of the Standard Oil company in presenting Wayne Good, Moses trophy winner, with a watch from the company.

Lucile (Maughlin) Garrison, H. E. '16, and her husband live at 122 East Eleventh street, Hutchinson. Mr. Garrison teaches mechanical drawing there.

Ellen (Nystrom) Webb, H. E. '17, is at 1402 Laramie, Manhattan. Her son, Allen, is a sophomore in chemical engineering here.

W. F. Law, I. J. '22, is advertising manager of the Council Grove Republican. He and Hortense (Watkins) Law, f. s., have two children, Suzanne, 14, and Robert, 10.

Ruby Alice Thomas, H. E. '23, works at Indianapolis, Ind., and lives at 2049 North Meridian street.

Martin F. Fritz, G. S. '24, M. S. '25, has been appointed by Pres. F. D. Farrell to represent Kansas State College at the inauguration of President Hancher of University of Iowa. Doctor Fritz is an associate professor in the Psychology department at Iowa State college.

Harry Lutz, R. C. '25, Sharon Springs, has been appointed by Gov. Payne Ratner to the State Forestry, Fish and Game commission. He is mayor of Sharon Springs and publisher of the Western Times. Mrs. Lutz is the former Jean Dexter, f. s. '32.

Cula Buker, H. E. '26, sailed on April 15 to conduct cooking schools in Honolulu for the Honolulu Star-Bulletin and the Hawaiian Electric company. The trip is a "thank-you" from her employers for several years

of successful work in demonstrating electric equipment to women and in training salesmen. Miss Buker represents the manufacturers of Hot Point electric equipment in the Pacific Northwest and is located at Seattle.

Herbert B. Evans, C. E. '27, wrote to express his appreciation of Dr. J. T. Willard's history and to tell of his new job in Amarillo, Texas, as drafting engineer with the Atchison, Topeka and Santa Fe in the general office there. His address is 4249 West Thirteenth, Amarillo.

Wirt D. Walton, Ag. '28, and Awilda (Brown) Walton, '27, are at 4236 West Aldine, St. Louis, Mo. Mr. Walton is an instructor of music in Sumner high school and Stowe Teachers' college in St. Louis.

E. Garth Champagne, Ag. '29, and Theresa (Grantham) Champagne have a daughter, Susan Theresa, 1 1-2 years old. Mr. Champagne is working on the shelterbelt as assistant to the state director on the Prairie States Forestry project with the United States Forest service. The Champagnes live at 215 South Walnut, Grand Island, Neb.

Ruth (Lattimore) Fansler, H. E. '30, is home visitor for the Shawnee county welfare board. Her address is 421 Topeka boulevard, Topeka.

Leslie King, C. E. '31, and Olive (Bland) King, H. E. '30, are at 403 Hereford, Independence, Mo. Mrs. King writes that her husband is now a captain doing active duty as utilities officer at the Lake City ordnance plant being constructed east of Independence.

Doris Prentice, H. E. '31, is a clinical record clerk with the Department of Student Health. She lives at 1318 Pierre street, Manhattan.

Frank R. Freeman, Ag. '32, teaches vocational agriculture in Phillipsburg high school. He and Elizabeth (Sloop) Freeman, H. E. '36, live at 514 Eighth street, Phillipsburg.

Merle W. Allen, G. S. '33, M. S. '34, is head of the Department of Biological Science, Coffeyville junior college. He and Clara Jean (Martin) Allen, f. s., have a son, James Thomas, 3.

A. C. Hadley, Ar. '33, is with the artist and design department of the Egly Register company, Dayton, Ohio. His address is Route 4, Xenia, Ohio.

George H. Ellinger, E. E. '34, has changed his mailing address to Box 1088, Monahans, Texas. He has been working for the Stanolind Oil and Gas company, for more than three years now, in the seismograph department as a junior observer.

Ruth (Collins) Hope, H. E. '34, is heading a 4-H nutrition club this summer and will help with the government nutrition program next fall. She and Boyd H. Hope, '35, have two sons and live at Moundville, Mo.

Lloyd J. Sconce, Ag. '35, is district rural rehabilitation supervisor for the Farm Security administration, T-2, Federal building, Topeka. He has a son, Robert Eugene, 11.

Paul T. Nomura, D. V. M. '36, is a general practitioner and is owner and operator of an animal hospital at 767 Ala Moana, Honolulu, Hawaii. He is married to Gertrude S. Minatoya.

Virginia Ann (Sidlinger) Gustafson, I. J. '37, and Neil C. Gustafson, f. s. '36, live at 423 East Sixth, Apartment B, Hutchinson. Mr. Gustafson is secretary-treasurer of the Reno Industrial Loan association.

Harold Roy Martin, M. E. '38, is an instructor in engineering drawing at Iowa State college. He and Ruth (Ridley) Martin live at 200 East Thirteenth, Ames.

Joe Earl Thompson, C. E. '39, Wilson, is party chief in building a new pipeline for the Natural Gas Pipeline company of America.

Dorothy Lou Dickson, G. S. '39, is home visitor of the Augusta office of the Butler County Welfare department. Her address is 229 North Washington, El Dorado.

Elizabeth Lyman, H. E. '40, has been employed since graduation last February as the home service economist for the Central States Power and Light corporation, electric corporation covering all of northeast Iowa and part of Minnesota.

George Sklar, member of the 1941 graduating class, has been placed in a defense industry. He will begin work June 1 with the Westvaco Chlorine Products company, South Charleston, W. Va.

LOOKING AROUND KENNEY L. FORD

An '01 Class Gathering

Mr. and Mrs. Charles A. Scott, 222 South Seventeenth street, Manhattan, will hold open house for members of the class of 1901 and their friends Sunday, May 25, from 2 to 5 p. m.

Alumni Should Register

All alumni participating in commencement activities should register in the College Alumni association office or in Recreation Center, Anderson hall. When they register they will receive reunion badges and programs of various class meetings, Kenney L. Ford, alumni secretary, reports.

Trainees Find Employment

Engineering drawing defense training proves a popular and profitable course at the Kansas State College, according to W. W. Carlson, defense training representative at the College.

Of the first class of 22 students that completed the training, 12 found work in one of the airplane companies at Wichita almost immediately. Reports show that others of this group are now working in Wichita, Kansas City and Manhattan, while some have been called for military training.

Thirteen of the second class who completed the training May 10 reported they had found employment at Wichita within a week after finishing the course. Two report they are working at Ft. Riley, one in Kansas City, one at Clay Center and of those not reporting it is assumed that some have not yet started work.

It is expected that the defense training as conducted by the College in cooperation with the government will continue during the next year.

Appropriations have been made to start additional training June 2 at the College. The wisdom and foresight of the government in financing the training of men for industry is becoming more evident, said Professor Carlson.

According to the reports issued by the government agencies and the employment men of industries, there will be a steady increase in employment of trained men. Many large plants located in Kansas City, Wichita, St. Louis, Tulsa and other points in the Central and Western states are not completed. Estimates of the new men required to man these plants run as high as 100,000.

MARRIAGES

RUBLE—PORTMAN

Phyllis Lynn Ruble and Roland Wagner Portman, M. S. '40, were married April 5 at Denver. They are at home at Lamar, Colo.

ADAMS—STAROSTA

The marriage of Eunice Adams and Allan E. Starosta, Ag. '40, took place December 22. Mr. Starosta taught vocational agriculture at Halstead the past year.

CONGDON—BERT

Rachael Jane Congdon, H. E. '40, and Raymond E. Bert, M. I. '39, are now living at Neodesha. They were married March 15. Mr. Bert is with a small grain company in Neodesha.

FOSTER—BETTON

Betty Lou Foster became the bride of Matt Betton, M. Ed. '38, Manhattan band leader, April 27. Mrs. Betton has been employed in the Manhattan offices of the Agricultural Adjustment administration. They live at 613 North Twelfth, Manhattan.

JOHNSON—SIMON

Daisy Marie Johnson, H. E. '34, was married to Donald A. Simon of Oskaloosa on March 29. Mrs. Simon is home management supervisor for the Farm Security administration in Jefferson county and expects to continue in that position. Mr. Simon is the senior partner of the Simon Service in a new location at Oskaloosa.

HOFMANN—HOFFMAN

The wedding of Maxine Hofmann, H. E. '36, to William C. Hoffman of Beaumont, Texas, took place April 26. The bride, a member of Zeta Tau Alpha social sorority, has worked for the past five years with the College Extension service—three years in Ellsworth and two years in Salina. Mr. Hoffman, a graduate of Baker university and a member of Kappa

Sigma fraternity, is now with the International Harvester company, in charge of national sales for the motor truck division. They are at home at 2335 Calder, Beaumont, Texas.

PENNER—MARTIN

Helen Claire Penner and Donald James Martin, Ag. '29, were married April 5. Mrs. Martin, a graduate of Stephens college, Columbia, Mo., has for two years been secretary with the Agricultural Adjustment administration in Manhattan. Mr. Martin is director of AAA personnel. They are at home at 900 Bertrand street, Manhattan.

BIRTHS

June Ann Warner was born May 5 to Carl Warner, Ag. '38, and Dorothy (Diggs) Warner. Mr. Warner is rural rehabilitation supervisor at Alma.

One of the novel birth announcements received this month was that of Lorrin Ernest Lowe. Alvin E. Lowe, Ag. '33, M. S. '35, and Esther (Kolsky) Lowe sent a picture of their other two children playing doctor and nurse to the baby in a doll bed. On the back of the picture is dittoed a hospital record of a maternity ward, giving the facts about Lorrin Ernest. He was born April 25. The Lowes live at Garden City, where Mr. Lowe is an assistant agronomist in the Garden City Experiment station.

Another novel announcement giving birth information in a new way was the progress report, project B-1, pamphlet sent by Rachel (Lamprecht) Dittmore, I. J. '32, and Paul L. Dittmore, I. J. '32. They are the administrators of the Dittmore Foundation. Listed were the board of regents, the advisory council, the laboratory technicians and the clinical data—Margaret Elizabeth was born April 25; hair—dark; weight—7 lbs., 2 oz.; complexion—red. Mr. Dittmore is editorial assistant with the Kansas Agricultural Experiment station and instructor in the Department of Industrial Journalism and Printing. The Dittmores live on Route 4, Manhattan.

EIGHTEEN MAJORS IN DIETETICS ARE PLACED FOR NEXT YEAR

Institutions Across the Entire Country Give Positions to Graduates

Eighteen home economics and dietetics majors will spend next year in hospitals and schools all over the nation. They recently received appointments for a year's training in hospitals and schools approved by the American Dietetic association.

Dorothy Montgomery, Sabetha, and Helen Ensign, Garrison, will work in the food service unit of the Biological Research laboratory on Long Island this summer. Jessie Collins, Dwight, has a position with the National Livestock and Meat board, Chicago.

Dorothy Axcell, Chanute, will be in the Michael Reese hospital, Chicago. Virginia Barnard, Belleville, will go to Harper hospital, Detroit. At the University of Oklahoma hospitals in Oklahoma City will be Betty Boehm, Manhattan. Betty June Curtis, McPherson, will serve her appointment in the Lincoln General hospital, Lincoln, Neb.

Doris Carlson, Osage City, will be in the Latter Day Saints hospital, Salt Lake City, next year. Ruth Douglas, Coffeyville, will go to the Miami Valley hospital, Dayton, Ohio. To work in the Alameda County hospital, Oakland, Calif., is Caralee Laming, Tonganoxie.

Jane McKee, Chanute, will be in the Johns Hopkins hospital, Baltimore, Md. Virginia Monahan, Leavenworth, will go to the Presbyterian hospital, New York City. Ruth Morrow, Larned, will work in the Massachusetts General hospital, Boston. Helen Pilcher, Gridley, will do her work in the University of Michigan hospital, Ann Arbor.

To work in the Scripps Metabolic clinic, La Jolla, Calif., is Cheryl Popen, Burr Oak. Clea Rambo, Paola, will work in the University of Washington, Seattle. Ruth Ramsay, Beloit, will be at the Oregon State hospital, Portland, and Kathleen Shepard, Manhattan, will be at the St. Mary's hospital, Detroit.

Beta Kappa to Close

Beta Kappa, social fraternity, will not reopen next fall, members decided after their enrolled membership had fallen.

RECENT HAPPENINGS ON THE HILL

Pres. F. D. Farrell addressed members of the Block and Bridle club at the annual banquet in the Congregational church banquet hall Saturday night.

The Royal Purple, College yearbook, was distributed to students Friday and Saturday. Approximately 2,900 students already have received the yearbook, according to Don Makins, Abilene, editor.

Colby milo, a combine-type grain sorghum and one of the most reliable crops grown in central and western Kansas, is superior to corn in cattle-fattening rations, Dr. A. D. Weber, cattle specialist at the Kansas Agricultural Experiment station, told Kansas cattlemen at the 29th annual Cattle Feeders' day held at the College Saturday. Approximately 900 cattlemen were present for the meeting.

The Sen. Arthur Capper recognition award for outstanding achievement in industrial journalism goes to Walter W. Martin, Pratt, who will be graduated Monday. Martin's name as winner of the Capper award for 1941 will be engraved on a silver plaque provided by Senator Capper to the Department of Industrial Journalism and Printing for the purpose of stimulating interest in industrial journalism.

Don Makins, Abilene, senior in journalism, has been given a citation as an outstanding male journalism graduate for 1941 by Sigma Delta Chi, professional journalism fraternity. The award was determined on the basis of character, leadership, ability and competence to perform journalistic tasks. The committee making the selection was composed of Gordon West, Manhattan, a junior; Richard Seaton, I. J. '34, professional member, and C. J. Medlin, faculty adviser.

SIX STUDENTS ARE CHOSEN FOR DANFORTH FELLOWSHIPS

Robert Wagner and Dorothy Beezley Named as Divisional Winners

Six Kansas State College students have been awarded fellowships by the Danforth foundation in St. Louis. They will attend Camp Miniwanca, American Youth Foundation leadership training institution in Michigan this summer.

Divisional winners of the fellowships for this year are Robert Wagner, Garden City, for the Division of Agriculture, and Dorothy Beezley, Girard, winner of the Home Economics fellowship.

Freshman winners include John Aiken, Moran, Division of Agriculture; Mary Cawood, Wetmore, Division of Home Economics; Chester Peters, Valley Falls, Division of General Science, and Raymond Cook, Courtland, Division of Veterinary Medicine.

JUNIOR JOURNALISM STUDENT HELPS INITIATE HIS FATHER

Harry Bouck Sr. and Roy Freeland Taken into Sigma Delta Chi

A son helped initiate his father when the College chapter of Sigma Delta Chi, men's professional journalism fraternity, initiated Harry Bouck Sr. and four other men Sunday night. Mr. Bouck, a former newspaper man and advertising executive, and for the past 10 years secretary of the Manhattan Chamber of Commerce, was initiated as a professional member in a service, with Harry Jr. assisting in the ceremonies.

Roy Freeland, Ag. '38, an associate editor of Kansas Farmer, Topeka, was initiated as a professional member of the fraternity.

The three new undergraduate members initiated were Milt Dean Hill, Kansas City, Kan., Manhattan correspondent of the Kansas City Star; Lowell Brandner, Leoti, and Terryll Dougherty, Manhattan.

Wins \$200 Essay Prize

Max McCluggage, Manhattan, milling technologist in the Department of Milling Industry, won first prize of \$200 in an essay competition, sponsored by the American Miller, milling magazine. "Experimental Milling—the Miller's First Line of Defense" was the title of his winning essay.

CANDIDATES NUMBER 673 FOR 1941 COMMENCEMENT

MISS JESSIE McDOWELL MACHIR
SAYS 32 SEEK MASTER'S

Total Exceeds by 39 the Number of
Those Receiving Diplomas Last
May; General Science Leads
with 159 Students

(Continued from page one)

Doyle Wayne LaRosh, Natoma; David Hale Long, Abilene; Roscoe Dean Long, Drexel, Mo.; Orville Walter Love, Neosho Rapids; Boyd Homer McCune, Stafford; George Nolan McKenzie, Solomon; Arthur Charles Mangelsdorf, Atchison.

Milton Lloyd Manuel, Havensville; Robert Frank Mears, Kansas City; Friedrich Edward Meenen, Clifton; Russell Wayne Miller, Lebanon; William Lewis Moore, Ashland; Ray William Morrison, Larned; Wendell Austin Moyer, Manhattan; Robert Mudge Niquette, Garden City; Kent Leonard Patton, Chase; James Russell Peddicord, Manhattan; Lewis Eugene Poggemeyer, Topeka; John Germann Poole, Manhattan; Herman Albert Praeger Jr., Clifton; Byron White Quinby, Manhattan; Arden Reiman, Byers; Gerald Dale Ressel, Colony; Ralph Warren Robinson, McLouth; Walter Jackson Rosacker, Nashville; Joseph Wilbur Salter, Wakefield; Paul Everett Sanford, Milford; Arthur LeRoy Saylor, Langdon; Kenneth Thomas Sherrill, Brownell; Ernest Harold Simpson, Conway Springs; Henry Lyman Singer, Parker; Frank Allan Slead, Neosho Rapids; Henry Joseph Smies, Courtland; Paul Elbert Smith, Lebanon; Rollin Max Starosta, Pomona.

Raymond Stewart, Manhattan; Joseph Jacob Straub, Wathena; Charles Lyman Streeter, Milford; George Lester Clifford Sundgren, Topeka; Leon Zaven Surdman, Atchison; Fred Scudder Talbot, Manhattan; Benjamin Wickham Tempero, Clay Center; Orval Elmer Thrush, Wakefield; David Salem Totah, Ramallah, Jerusalem, Palestine; Loren Loeffler Van Petten, Washington; Lindley Eugene Watson, Peck; John Raymond Wells, Manhattan; Dean Duane Whitmore, Fort Scott; Kimble Wilson, Manhattan; Carl Alton Wilson, Quenemo; Mark Francis Wilson, Ashland; John Stanley Winter, Dresden; Charles Edward Works, Humboldt; Mack Yenser, Saffordville; Donald Allan Yost, La Crosse; Albert Warren Yoxall, Woodston; Edward Brewer Zahn, Miltonvale.

Bachelor of Science in Milling Industry: William Joseph Ball, Oswego; Ronald Leroy Biggs, Potwin; William Blount Briggs, Landrum, S. C.; Wayne Xavier Deaver, Sabetha; Rush Hone Elmore, Topeka; George Howard Fittell, Beloit; John Norris Haymaker, Manhattan; Willard Henry Meinecke, Herkimer; Willard Dean Nelson, Hadam; Ralph Roy Roberts, Phillipsburg; Theodore Edward Stivers Jr., Rome, Ga.; Carlyle Philip Woelfer, Manhattan; Eugene Ellsworth Woolley, Osborne.

Doctor of Veterinary Medicine: Fernando Edmundo Armstrong, Ponce, Puerto Rico; George Rankin Armstrong, Gastonia, N. C.; Leroy Nichols Atkinson, Hutchinson; Lawrence Roy Bain, Pittsburg; James Grant Bates, Randall; William Dale Bowerman, Oklahoma City; Arthur William Brower, Emporia; Kenneth Lee Bruce, Orchard, Neb.; Bernard Busby, Wakefield, Neb.; Gilbert Wilson Carl, Hutchinson; Edward Eldridge Chambers, Parsons; Robert Hugh Clark, Manhattan; Clark C. Collins, West Point, Neb.; Shirley LeRoy Davis, Fort Scott; Warren James Dedrick, Kansas City; Glenn Ellsworth Duncan, St. Francis; George Washington Eberhart, Jewell; John Ernest Erickson, Clifton; Frank Abram Eyestone, Pittsburg; Frank Abram Flippe, Oakley; John Gifford Gish, El Dorado; Glenn Clough Halver, Crane, Mont.; Gordon Clark Howell, Kansas City; Herbert Winston Howell, Kansas City; Robert Donald Immenschuh, Diego, Calif.; Charles Harrison Jones, Lisbon, N. Y.; Martin Kadets, Natik, Mass.; Jacob Labadie, Kansas City; Edward Roscoe Kelley, Arkansas City; Charles Alvin Kennedy Jr., Kansas City; Richard Benton Koger, Belvidere; Glover Wilson Laird, Kansas City, Mo.; Clifford Alonzo Lemen, Manhattan.

Frank Everett Lichlyter, El Dorado; Virgil Keith McMahan, Manhattan; Raymond Charles McPeck, Ramsey, N. J.; David Oscar Manley, Wakarusa; Jacob Lewis Medaris, Parsons; Herbert Meriwether, Chetopa; Earl Lawrence Mundell, Kansas City; Charles Clarence Newhart, Delaware; Water Gap, Pa.; Cecil Lewis Paulsen, Onaga; Loyall Cobb Payne, Manhattan; LeRoy Albert Pierce, Manhattan; Rodney Iverson Port, Cheyenne, Wyo.; Elwin Raymond Prather, Eureka; Myron Dale Reed, Smith Center; Charles Dixon Renfrow, West Plains, Mo.; Samuel Arthur Schendel, Richmond; Charles Comble Smith, Kansas City, Mo.; Charles Lewis Smith, Harveyville; Raymond William Stanzel, La Harpe; Marvin Dean Stitt, Clearwater; Clarence Henry Thompson Jr., Ozarkville; Earl Clair Toynton, Dodge City; W. Gerald Trostle, Hope; William Henry Vanderbilt, Eureka; Delbert Oscar Wendt, Bonner Springs; Don Oliver Whitney, Phillipsburg.

Bachelor of Science in Agricultural Engineering: Forrest Overton Beardmore, Manhattan; Gustave Edmund Fairbanks, Topeka; Clarence Albert Frese, Hoyt; Paul Everett Huitt, Talmage; Johnson; Dene Everett Huitt, Talmage; Ralph Iden Lipper, Sterling; Gerald Thomas Van Vleet, Danbury, Neb.

Bachelor of Science in Architecture: Lawrence Ralph Bowdish, Wichita; William Earl Doty, Manhattan; John Cotterill Foster, Manhattan; John Alden Shaver, Salina; John Dennis Sulton, Manhattan.

Bachelor of Science in Architectural Engineering: Edward Linn Abernathy, Sharon Springs; Lawrence Ralph Bowdish, Wichita; Dwight Carl Brown, Osborne; Wesley Lorenzo Burgan, Hoisington; Charles Ellsworth Kaiser, Kansas City; Shelby Jones Patton, Ham-Bucklin; Thornton Jones Schwartz, Hoisington; Galen Max Sollenberger, Hutchinson; Robert Sanders Thornburrow, Wetmore.

Bachelor of Science in Chemical Engineering: Edgar Crowley Jr., Kansas City; Jean Chandler DeVault, Kansas City; Irving Diamond, Bronx, N. Y.; John James Dooley, Parsons; Warren Gerald Grubb, Phillipsburg; Thomas Benton Haines, Manhattan; Harold Raymond Harris, Geuda Springs; Earl Clinton Johnson Jr., Coffeyville; Gerald August Lake, Manhattan; Emery John

Levin, Lindsborg; George Van Noy Packer, Manhattan; Willis Dey Payton, Arkansas City; Elmer John Rollins, Manhattan; Paul Jay Ruckel Jr., Arkansas City; Joseph Peter Sachen, Kansas City; Ralph Emanuel Samuels, Rt. 2, hattan; Emerson Hugh Shade, Rt. 2, George Sklar, Manhattan; Camlin Barton Sprague, Douglass; Mailand Rainey Strunk, Kansas City; Ralph Theodore Thomas, Independence; Leslie Earl Thompson, Fort Scott; Charles Elmer Webb Jr., Hill City; Thomas Richard Woods, Burden.

Bachelor of Science in Civil Engineering: James Otis Adams, Eureka; Wilfred Ira Anderson, Clay Center; Carl Theodore Besse, Clay Center; Emory Bond Jr., Burlingame; Garland Baxter Childers, Augusta; Norman Travis Cook, Monument; Richard Francis Dille, Topeka; Aven Lamar Eshelman, Abilene; Clair Eugene Ewing, Blue Rapids; William Arthur Gardner, Chautau; Billy Burris Geery, Burrton; Guy Edgar Gibson Jr., Kensington; Elvin Vance Giddings, Manhattan; Carl Henry Helm, Chautau; Kenneth Dean Henry, Robinson; Leroy L. King, Hesston; Harley Eugene Lucas, Coffeyville; Wyatt Parkman Marbois, Emporia; Paul Jarboe Montgomery, Topeka; Walter M. Naylor, Burr Oak; Leland Cyril Porter, Dellvale; Melvin Eugene Scanlan, Agra; John Vito Sette, Corona, Long Island, N. Y.; Lloyd Campbell Teas, Manhattan.

Bachelor of Science in Electrical Engineering: Harold Eugene Alford, Arkansas City; Richard Carl Allen, Cartage, Mo.; John Henry Babcock, Manhattan; William Goddard Bensing, Topeka; James Thomas Bradley, Sedan; Alonzo Leon Cloninger, Chautau; Herbert Merrill Dimond, Manhattan; Fay Albert Edwards, Arlington; Shirley Frederick Eystone, Wichita; John Henry Frohn, Manhattan; Alexander Rinaldo Goldhof, Pittsburg; Roger Keith Ghormley, Hutchinson; Paul Clement Hauber, Kansas City; William Douglas Helm, Simpson; Edwin Burns Holland, Liberal; Gerald Adelbert Johnson, Thayer; Charles Franklin Johnson, Kansas City, Mo.; Paul Laurence Kewley, Stockton; George Wendell Kilian, Chapman; LeRoy Vernon Kleppe, Everest; Oliver Ned Laurie, Mulvane; Ernest Wayne Leive, Brookville; Marlin Wray Martin, Hutchinson; Archie LeRoy Morgan, Emporia; Joe Kenneth Murphy, Chapman; Joseph Donald Musil, Manhattan; John Elmer Newacheck, El Dorado; John Alfred Peterson, Kansas City, Mo.; Robert Allen Peterson, Jasper, Mo.; Allen Ellwood Smoll, Wichita; Daniel Wichmann Wagoner, Lenora; Robert Buchanan Washburn, Manhattan; John Franklin Weary, Junction City; Alfred Marvin White, Topeka; Donald Keith Wilkin, Nortonville; Kenneth Morton Yoos, Atwood; Howard Miller Zeidler, Sabetha.

Bachelor of Science in Industrial Arts: Robert Benson Coder, Manhattan; Max Clarence Leuze, Sabetha; Dale Edwin Zabel, Westmoreland.

Bachelor of Science in Mechanical Engineering: Charles Warren Adcock, Washington, D. C.; Edwin M. Aronson, Fort Scott; Clyde Jennings Bateman, Herington; LeRoy Decker, Kansas City; Carl Frederick Beyer, Glen Elder; Elmore Joseph Blackburn, Manhattan; Richard Harold Breckenridge, Woodston; John Augustus Brewer, Concordia; Lewis Ernest Brown, Chautau; Raymond Martin Bukaty, Kansas City; Frank Adelbert Churchill, Junction City; Samuel Griffith Dukelow, Hutchinson; Vincent Henry Ellis, Urbana, Mo.; George Allen Frazier, Cartage, Mo.; Edward Horrell Gardner, Pomona; C. Lyndon Griffith, Elkhardt; Lewis Ernest Heiney, Bloom; Edward Vaughn Hobbs, Manhattan; Wilbert Lloyd Loewen, Goessel; William Arthur Metcalf, Kansas City, Mo.; Karl Joseph Mosbacher Jr., Wichita; Albert Louis Niemoller, Wakefield.

Louis Etzold Noel, Webster Groves, Mo.; Glenn Emerson Pribbeno, Sharon Springs; Robert Howard Pyle, Wellington; John Parke Ransom, Homestead; Jack Harman Rupe, Kansas City; Albert Erwin Schwerin, Kansas City, Mo.; Edward Frank Seifick, Cuba; Bert Eugene Sells, Wichita; Walter Turner Singleton, Tribune; Clarence Paul Smith, Marysville; James Dow Thacker, Portland, Ore.; Harden Halleck Tubbs, Elkhardt; Ralph John Wahrenbrock, Enterprise; Roby Byron White Jr., Neodesha; Edgar Howard Wilson, Wichita; William Horn Wilson, Augusta; Keith Leon Witt, Independence.

Bachelor of Science in Home Economics: Julia Jane Alderman, Ottawa; Genevieve Elizabeth Allen, Manhattan; Edith Hewitt Anderson, Leavenworth; Elita Bernice Atwell, Utica; Dorothy Elizabeth Axcell, Chautau; Virginia Lee Barnard, Belleville; Winifred Jean Bayer, Manhattan; Rena Lauretta Bell, McDonald; Welcome Annette Bender, Plains; Minnie Josephine Bergsma, Goodland; Maxine Beryl Bishop, Rozel; Pauline Isabel Blackwell, Rozel; Betty Boehm, Manhattan; Ruth Elizabeth Bonnell, Kansas City, Mo.; Pauline Marie Borth, Plains; Jacquelyn Lenore Brower, Attica; Edith Louise Buchholz, Olathe; Bessie Marie Campbell, Concordia; Mary Alice Campbell, Concordia; Ruth Pearl Campbell, Lakin; Doris Virginia Carlson, Osage City; Jessie Margaret Collins, Dwight; Lucile Mae Cosandier, Onaga; Marie Jane Cox, Iola; Sarah Ann Crotinger, Bison; Betty Jane Curtis, McPherson.

Mildred Bozarth Davis, Liberal; Marieta Jane Delano, Hutchinson; Lorraine Dickerson, Chautau; Helen Gordon Dods, Lawrence; Lillian Ruth Dumler, Gorham; Jane Cuthbert Dunham, Topeka; Marion Claire Elmer, Manhattan; Helen Louise Ensign, Garrison; Lola Grace Evans, Hutchinson; Wilma Florine Evans, Hutchinson; Rachel Louise Featheringill, Independence; Autumn Felton Fields, McPherson; Helen Elaine Fleming, Ottawa; Evelyn Mae Frick, Larned; Erma Katherine Gamby, Everest; Grayce Edyth Goertz, Moundridge; Florence Clarice Gosney, Mulvane; Virginia Lee Goss, Dwight.

Dorothy Mae Green, Fort Collins, Colo.; Julia Louise Green, Iola; Eugenia Louise Grob, Randolph; Alice Crosby Gunn, Kansas City, Mo.; Mildred Joyce Gurtler, Summerfield; Ethel Dorothy Gwin, Junction City; Florence Verda Harsh, Argonia; Eleanor June Harsh, Argonia; Doris Elizabeth Harvey, Wichita; Jane Louise Hastings, Lakin; Viola May Hill, Hope; Dorothy Elizabeth Howat, Wakeeney; Mary Ellen Hull, El Dorado; Eleanor Lee Johnson, Salina; Allis Terrell Jones, Eudora; Mary Margaret Jordan, Wichita; Jean Elizabeth Kallenberger, Edna; Mary Elizabeth Kelley, Neodesha; Anna Mae Kern, Hiawatha; Ruth Virginia Keys, Winchester; Helen Eunice Kirk, Wellington; Dorothy May Knaus, Neodesha; Hildegard Charlotte Knopp, Kansas City; Roberta Jean Lamb, Ottawa; Caralee Laming, Tonganoxie.

Josephine Estelle Lann, Axtell; Helen

Mae Lohmeyer, Newton; Marian Frances McBride, Hume, Mo.; Marjorie Jane McKee, Chanute; Martha Roseline McKenna, Kingman; Helen Rowena Marshall, Wheaton, Ill.; Ruth Eleanor Martin, Kansas City, Mo.; Grace Elizabeth Mather, Grinnell; Gertrude Lucille Mensch, Independence; Kathryn Louise Millard, Zenda; Joan Miller, Milford; Virginia Belle Monahan, Leavenworth; Mary Louise Mossman, Manhattan; Evelyn Mae Moyer, Dodge City; Vera Loris Murphy, Detroit; Joanna June Nethaway, Salina; Janet Yvonne Nutter, Shelton, Neb.; Mabel Ruth O'Brien, Muscotah; Dorothy Ruth O'Loughlin, Lakin.

Aileen Ozmert, Manhattan; Veva Aldene Peffly, Waldron; Helen Leona Pilcher, Gridley; Cheryl Gertrude Poppen, Burr Oak; Alberta Lounell Pullins, Council Grove; Cleda Doris Rambo, Paola; Ruth Pauline Ramsay, Beloit; Laura Virginia Randall, Ashland; Mary Josephine Rhine, Manhattan; Vivian Pauline Rice, Greensburg; Harriet Frances Richardson, Oswego; Mary Louise Richards, Coffeyville; Leila Alouise Roberts, Parsons; Margaret Kathleen Roberts, McPherson; Virginia Frances Robinson, Harper; Ruth Roberta Ruhlman, Woodbine; Ruth Elizabeth Salley, Silver Lake; Alice Mary Santner, Gaylord; Ruth Louise Schmidt, Raymond; Jean Jewett Scott, Manhattan; Helen Marie Sells, Hoisington; Margaret Alma Sewing, Kansas City; Margaret Saxon, Goodland; Ophelia Deborah Sharp, Great Bend; Helen Aileen Shepard, Erie; Lorraine Gladys Shepardson, Junction City; Kathleen Olive Sheppard, Manhattan.

Agnes Marie Smith, Toronto; Hattie Alice Smith, Highland; Mary Pauline Spain, Beloit; Hazel Aldine Spessard, Junction City; Dorothy Jane Steinkirchner, Newton; Kathleen Beryl Stewart, Stockton; Mary Louetta Stewart, Saffordville; Theda Elizabeth Stine, Glasco; Earnestine Alice Stur, Leon; Arlene Grace Taylor, Enterprise; Charlotte Thompson, Iola; Constance Patricia Thurston, Elmdale; Mina Fay Tillman, Topeka; Helen Tipton, Paola; Elizabeth Lurene Titus, Cottonwood Falls; Jane LaVerne Utterback, Yates Center; Roberta Viola Vawter, Oakley; Katherine Jean Wadley, Silver Spring, Md.; Janet Ross Wallace, Hays; Yvona Arlene Weber, Caldwell; Ila Hall Wells, Manhattan; Dorothy Marie Wiles, Parsons; Blanche Maida Winkler, Riley; Betty Catherine Wolf, McPherson; Martha Jane Wreath, Manhattan; Elizabeth Barclay Wright, Salina; Evelyn Ernestine Yost, Downs.

Bachelor of Science in Home Economics and Nursing: Hallie Marguerite Bell, Norcatur; Dorothy Isabelle Beyer, Dallas, Tex.; Rose Eileen Harman, Indianapolis, Ind.; Helen McGhie Watson, Shawnee.

Bachelor of Science Degree: Raymond Voiles Adams Jr., Manhattan; Eugene Elria Anderson, Greenleaf; Laura Florence Bartholow, Coffeyville; Kathryn Elizabeth Blevins, Manhattan; John Mathias Branson, Concordia; Jack Wal Brunner, Wamego; Wilma Hortense Cade, Manhattan; Robert George Chapman, Manhattan; Doris Leota Clark, Longton; Donald Raymond Conard, Coolidge; Richard Warren Cope, Holton; Robert Thomas Cotton, Manhattan; Elvin Wayne Cramer, Glasco; Robert Earhart Crow, Harper; Fay Lucile DeLoe, Coldwater; Blanche Edna Dearing; Lawrence Anne Ferrier, Seneca; Lawrence Dale Freel, Goff; Neva Marguerite Garrett, Clay Center; Hazelbel Hutchins George, Sterling; Dale Edsel Gibson, Winchester; Richard Henry Hagadorn, Gaylord; James Robert Hoath, Anthony.

Allison Lynn Hornbaker, Hutchinson; Helen Maurine Jackson, Salina; Charles Arnold Jacobi, Salem, Ore.; Neal Mike Jenkins, Manhattan; Eleanor Constance Kershner, Paola; Eleanor Jane Lambert, Hiawatha; Gwendolyn Lucile Lee, Lyons; Yvonne Joy Lemen, Manhattan; James Worth Linn, Manhattan; Robert James McCulloch, Manhattan; Hazel Marguerite Marlow, Manhattan; Dolores Ann Meyer, Frankfort; Frank Miller Jr., Milford; Alden Borthwick Miner, Ness City; Anna Mae Nemecek, Abilene; Auriel Lee Olson, Erie; John Marchbank Parker, Manhattan; Jessie Adeline Pelham, Albany, Ga.; Earl Liwyn Redfield, Bucklin; Harlan Edwin Rees, Manhattan; Opal Elma Rhoads, Goodland; Frank Edgar Rickel, Manhattan; Gerald Moore Riley, Concordia; Robert Max Roelfs, Bushston; George Davis Schumacher, Lyons; Rule O. Seymour, Ottawa; Claude Wesley Shenkel, Lyons.

Richard Wilkeson Smith, Salina; Charles Willis Stafford, Republic; Evelyn Lucille Stener, Courtland; George James Stipe, Manhattan; Marvin Elmer Trembley, Chautau; Lois Belle Turner, Manhattan; R. V. Tyne, Hanover; Robert Dean Williams, Manhattan; Marjorie B. Windhorst, Glasco; Robert Warren Yeoman, Kingman.

Bachelor of Science in Business Administration: Jack Junior Banks, Winfield; Anabelle Bays, Onaga; Maurice Wayne Beichley, Longford; Maurice Wittry Bergerhouse, Greeley; John Harrison Bowers Jr., Kansas City; David Henry Breuninger, Manhattan; John Richard Brock, Glasco; Tarlton Aura Caldwell, Manhattan; Carleton Cooper, St. John; Charles Joseph Correll, Manhattan; Betty Lou Davis, Seaside; Robert Hollister Dodge, Seaside; Alva Lease Duckwall Jr., Abilene; Leola Elsie Eshelman, Wichita; Franklin James Flynn, Wamego; Ralph Edward Guyton, Salina; Robert Monroe Hackney, Parsons; Don Franklin Hathaway, Coffeyville.

Richard Neil Heaton, Norton; Donald Dwight Hesselbarth, Abilene; Bernice

Maude Horton, Wayside; Ann Elizabeth Jackson, El Dorado; Verland Thomas Jahns, Woodbine; Samuel Thomas Johnson, Hallows; John Pershing Kane, Rock Creek; Robert Landis Kauffman, Salina; Ruth Ella Kindred, Bonner Springs; Theron Lambert King, Manhattan; Harold McKee Lemert, Arkansas City; Leonard Lille, Ellsworth; Frank Robert Lonberger, Manhattan; Dudley Randolph Londen, Abilene; John Richard Moore, Atchison; Elmo Morris, Wichita; John Thomas Muir, Norton; Bernard Carlton Nash, Lakin; David Edgar Newman, Junction City; Max Charles Opperman, Yates Center; James Wilbur Paustian, Manhattan; George Henry Peirce, Waterbury, Conn.; Isabelle Marjorie Phelan, Kansas City, Mo.; Vernon Leslie Platt, Coffeyville; Paul Archie Puttloff, Newton; Harold Elwood Saum, Oberlin; Keith Merrill Schmedemann, Junction City; Ralph Murray Skinner, Topeka; Marjorie Nell Spillman, Coffeyville; Robert Vernon Swanson, Waterbury, Conn.; Thomas Edmund Trenkle, Topeka; Donald Keith Wilkin, Nortonville; Ralph Edgar York, Dunlap.

Bachelor of Science in Industrial Chemistry: Edwin Howard Beach, Marysville; Joseph Junior Bryscek, Manhattan; James Martin Cripps, Manhattan; James Madison Fallis, Luray; Louis Daniel Kottmann, Ellsworth; Carl Ernest Latschman, Manhattan; Charles Frederick O'Brien, Iola; Carl Lea Pettijohn, Talmo; Charles Paul Schafer, Vermillion; John Wesley Steffens, Kansas City.

Bachelor of Science in Industrial Journalism: Enid Alene Altwegg, Junction City; Robert Hale Blair, Ottawa; Clara Katharine Chubb, Topeka; Margaret Jane Goble, Riley; Mary Jean Gretnier, Junction City; William Herbert Hickman, Kirwin; James Merlin Kendall, Dwight; Marianna Kistler, Manhattan; Katherine Jane Lovitt, Great Bend; Reggie Marie Madsen, Dwight; Donald Regis Makins, Abilene; Walter Woodrow Martin, Pratt; Ellen Peak, Manhattan; Lynne LeMoine Prout, Wichita; Grant Angus Salisbury, El Dorado; Mary Frances Sauder, Madison; Marcus Marion Schowalter Jr., Halstead; Elizabeth Ann Steinhilmer, Hutchinson; Victor Theodore Volsky, Pittsfield, Mass.

Bachelor of Science in Music Education: Mary Jane Boyd, Hutchinson; Ralph Clayton Chatter, Concordia; Mary Harlan Dillin, Hutchinson; Charles Wendall Horner, Abilene; Betty Loe LaPlante, Minneapolis; Marjorie Lucile Moree, Belleville; Donald Calvin Pricer, Hill City; ValGene K. Sherrard, Great Bend; Nancy Patricia Wilkins, Steelville, Mo.

Bachelor of Science in Physical Education: Elmer Loyd Hackney, Oberlin; Lucille Belle Haley, Kansas City, Mo.; John James Jackson, Eureka; Mary Marvel Kantz, Wichita; Doris Marie Kittell, Topeka; Charles Melvin McCrann, Manhattan; William Philip Nichols, Wrayville; Marion Albert Ramage, Manhattan; Norma Irene Waits, Wichita.

Master of Science Degree: Lawrence Raymond Berg, Elmo, Wash.; Charles John Birkeland, Manhattan; Hsien Tsiu Chang, Szechwan, China; Minerva Marie Cron, Alamo, Tex.; Floyd Ewing Davidson, Parsons; George Thomas Dean, Manhattan; Walter Theodore Federer, Manhattan; Lyman Phillip Frick, Kansas City, Mo.; Charles Martin Good, Plevna; Elizabeth Allen Heinz, Manhattan; Marjorie McCauley Hemphill, Manhattan; Raymond Mayme Hilton, Omaha; Edgar Abner Johnson, Fort Collins, Colo.; Glenn Charles Klingman, Chappell, Neb.; James Michael Koeppe, Ames, Iowa; Marvin Koger, State College, N. M.; Earl McKee Kroth, Denison; Franz Leidler, Manhattan; Frederick Lee McDonald, Horton; Orrin Jay Marcy, Hay Springs, Neb.; Harold Hawley Munger, Manhattan; Theo Beatrice Nix, Kansas City, Mo.; Ralph Edward Peterson, Manhattan; Edwin Eugene Saunson, Columbia, Mo.; Paul A. Schoonhoven, Manhattan; Richard Blaine Schwitzgebel, Manhattan; Rowena Hammons Sherrill, Neodesha; George Lee Smith, Prairie View, Tex.; Morton Smutz, Manhattan; Carolyn Margaret Wagner, Seattle, Wash.; Arlene Lois Waterson, Dighton; Bill Milton Williams, Topeka.

Doctor of Philosophy: Charles Raymond Stumbo, Manhattan.

Wins Surprise Track Victory

Kansas State College's track squad won a surprise 75-56 victory over the favored University of Oklahoma squad Saturday. Although the Sooners took nine first places in the meet, the Wildcats gathered enough second- and third-place points to defeat Oklahoma for the first time in a dual meet since 1915.

Two Get Chemical Jobs

Bill Bunker and Bill Williams, graduate students in chemistry, have obtained positions with chemical companies. Mr. Bunker will work in the experiment station of the Hercules Powder company at Wilmington, Del. Mr. Williams will be employed by the Dow Chemical company at Midland, Mich.

WILDCAT BASEBALL NINE SPLITS SERIES AT AMES

KANSAS STATE WILL PLAY K. U.
THIS WEEK-END

Visitors Defeat Cyclones 8 to 6 on
Monday and Then Go Down
11 to 1 in Tuesday's
Contest

The Kansas State College baseball squad split two games with Iowa State college at Ames this week. On Monday, the Wildcats won 8 to 6, while the Iowa team avenged itself 11 to 1 on Tuesday.

Warren Hornsby, Topeka, curly-headed shortstop, collected four hits in four times at bat in Monday's game. He hit a homer in the eighth inning with two men on bases to add three points to the Wildcats' score. Kenneth Graham, Framingham, Mass., first baseman, also made a home run. It was in the seventh with no players on base.

SCORE FOUR RUNS IN FIRST

The score by innings for Monday's game was:

Kansas State	400	000	130	—8
Iowa State	010	100	220	—6

The Cyclones scored nine runs on six hits in the first two innings of Tuesday's game to give them an unsurmountable lead.

MEET K. U. THIS WEEK-END

The score by innings for Tuesday's game was:

Kansas State	010	000	000	—1
Iowa State	540	010	10x	—11

The Wildcats will meet the University of Kansas nine here Friday and Saturday for the final games of the current baseball season.

PRIMARY, ADVANCED AVIATION TO BE OFFERED THIS SUMMER

Prof. C. E. Pearce Says Number of Applicants Will Be Considered in Fixing College Quota

Both primary and advanced courses in Civil Aeronautics administration training will be offered during the summer term. Prof. C. E. Pearce, head of the flight training at Kansas State College, said the number of applicants for the courses will be considered in determining the College's quota.

Applicants for the primary training must be citizens of the United States, not under 19 nor over 26 years of age and must not have or have had a pilot's certificate. Undergraduates must be fully matriculated and must have completed one full year of College work. All applicants must pass a physical examination and be accepted by the local advisory board.

To be eligible for the advanced course, the primary course must be passed and the applicant must have his private pilot's certificate.

Eight primary students taking the CAA flying course this semester have made their two cross-country flights, one with an instructor and one alone. Those who made the 125-mile flight successfully include Delmar Jones, Mulvane; John McClurkin, Clay Center; John Poole, Manhattan; Robert Roberts, Wellington; C. W. Schulze, Blue Springs, Mo.; William Smick, Manhattan; Charles Stafford, Republic, and Jay Stevens, Lincoln.

Miller Will Head A. A. U. P.

New officers elected at the meeting of the American Association of University Professors at the College Friday include Dr. E. C. Miller, professor of botany and plant pathology, president; Miss Helen Saum, professor in the Department of Physical Education for Women, vice-president; Hilier Kriegbaum, assistant professor in the Department of Industrial Journalism and Printing, secretary-treasurer. Prof. C. M. Correll, assistant dean of the Division of General Science, was elected a member of the state central committee from the local chapter.

Farm Women Will Meet

One hundred thirty-five Kansas farm women will spend three days on the College campus May 27 to 30. This will be the second summer assembly of the Kansas Home Demonstration Advisory council. The three-day program will be of an educational, inspirational and recreational nature. There will be well-known guest speakers. Several of the women attending will speak over the College radio station, KSAC. Those attending the conference will live in Van Zile hall.

EVERYDAY ECONOMICS

By W. R. GRIMES

"Silver is not a fundamental part of the American monetary system."

Silver is not a fundamental part of the American monetary system. It is the accepted policy of the United States to buy silver until the value of the silver stocks is one-third the value of the gold stocks of the government. Under this policy much silver has been purchased in recent years and at prices that were materially higher than silver would bring in the open competitive market. The silver has not been needed for monetary purposes. Silver is used as money in the coining of dimes, quarters, half dollars and the relatively few silver dollars that circulate, and as security for

silver certificates. The silver dollars and silver certificates could be replaced with other forms of money without difficulty.

The principal result of the silver policy of the government has been to give silver producers a high price for their product. It has brought relative prosperity to them. This prosperity has been at the expense of other people, either in the form of higher taxes or in increased debt of the federal government. The government now has huge stocks of the white metal for which it has little use, and the purchases are continuing.

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Number 32

SUMMER REGISTRATION SHOWS SLIGHT DECLINE

FINAL FIGURES EXPECTED TO BE
UNDER 1940

Graduate Clinic in Guidance, Offered
This Session for First Time, Is
Aimed at Those Looking
Toward Counseling

Registration figures for the summer session were slightly lower than those for the comparable period of 1940, according to figures compiled by the registrar's office.

At closing time Tuesday, 828 students had enrolled for the summer session this year as compared with 882 for the comparable Tuesday last year. The decrease was 54 students.

721 REGISTERED WEDNESDAY

Final registration figures for the 1940 summer session were 935, including those who attended the four-weeks session. Miss Jessie McDowell Machir, registrar, said that this year's final figures probably would be slightly less than those of last year.

At the end of the regular registration last Wednesday, 721 students had signed up for courses. Last year the comparable figure was 770.

The Graduate Clinic in Guidance for those looking toward counseling responsibilities, which began Monday, is being offered for the first time this year. It is expected that some additional students will attend the three-weeks session and others enrolled in other courses will gain additional background for this field of work.

FEDERAL CONSULTANT HERE

R. E. Brewster, consultant in guidance for the Federal Security agency of the Office of Education, Washington, and W. T. Markham, supervisor of occupational information and guidance, State Board for Vocational Education, Topeka, have been brought to the campus to assist in the new clinic's activities. Morning clinic conferences are under Mr. Brewster and Mr. Markham. Afternoons are reserved for committee work and consultations with clinic leaders and advisers.

NEW INSPECTION COURSE EXPECTED TO BE OFFERED

Prof. W. W. Carlson Announces College
May Give Work to Relieve De-
fense Personnel Shortage

In an effort to help meet the shortage of trained inspectors of materials used in construction work, Kansas State College probably will open a new defense training course within the next few days. Announcement of the new course was made today by W. W. Carlson, College representative in the national program of engineering training for defense and head of the Department of Shop Practice.

Professor Carlson pointed out that there is a shortage of trained men for materials inspection on highway and airport projects. The shortage has been accelerated by the resignation of experienced men to accept better paying positions in defense work.

Professor Carlson said the need for airports and highways will increase as supplies and soldiers are transported in carrying the national defense program to completion. He said the need is moderate now but will be serious in many sections in the near future.

The proposed 12-week defense course will prepare students who have had one year of college work, including trigonometry, for positions as laboratory and field inspectors on construction of highways and airports.

Writes About Sorghums

"Storage of Grain Sorghums," an article written by Prof. F. C. Fenton of the Department of Agricultural Engineering, appeared in the May issue of Agricultural Engineering, magazine published by the American Society of Agricultural Engineers. The article told of the growing importance of grain sorghums as a feed crop in semi-arid areas. It also described the problem of design for air circulation through every part of the storage space for the grain.

Will Teach in Oregon

Miss LeVelle Wood, associate professor in the Department of Institutional Management at the College, will teach quantity cookery and school lunchroom management in the Institutional Management department at Oregon State college, Corvallis, during the summer school session there.

THREE STUDENTS WIN \$300 IN NATIONAL COMPETITION

Mary Morris, Hurst Majors, Frank
Rickel Awarded Prize for Essay
on Foreign Policy

A \$300 essay prize has been awarded to Mary Morris, Chapman, Hurst Majors and Frank Rickel, both of Manhattan, by the Institute for National Policy of the College of William and Mary, Williamsburg, Va. The three are all students at Kansas State College.

Dean C. M. Correll was faculty sponsor of the essay contest for this region.

The contest on American foreign policy was nation wide and competition was divided into nine regions. Kansas was included with eight other states in the eighth region. Other states in this region were North Dakota, South Dakota, Nebraska, Colorado, Wyoming, Montana, Idaho and Utah.

Each institution co-operating in the competition was asked to select three students and a faculty sponsor to draft an essay on "The Next Decade of American Foreign Policy." The essay was to be not more than 5,000 words in length, analyzing the economic, political, geographic and other factors influencing foreign policy. The essay was to set forth in conclusion the basic principles of the suggested policy, including individual interpretation.

Miss Morris and Majors are juniors in industrial journalism. Rickel was graduated this spring in general science and is now working on his master's degree at the College.

HOWARD ZEIDLER, SABETHA, WINS \$500 SIGMA TAU AWARD

Engineering Graduate Will Continue
Study at M. I. T. in July

Howard Zeidler, Sabetha, and a former resident of Girard, received a \$500 fellowship award as a graduation present when he received his B. S. degree in electrical engineering.

The annual fellowship award is given by Sigma Tau, national honorary engineering society, to an outstanding member of the organization. The \$500 is to be used for graduate study in engineering.

Zeidler plans to enroll in the Massachusetts Institute of Technology in July for graduate work. He was graduated from Kansas State College with high honors. He had maintained a scholarship average of 2.9 out of a maximum 3.0. In February of this year he was chosen an outstanding student of the entire Division of Engineering and Architecture.

HAL W. LUHNOW, '17 GRAD, SELECTED ALUMNI HEAD

KANSAS CITY MAN TAKES OFFICE
FROM GAYLORD MUNSON

Association's Executives Defer Action
on Student Union Building Aid;
Class of '16 Sets
Record

Hal W. Luhnnow, '17, Kansas City, was selected president of the Kansas State College Alumni association at its annual meeting May 24. He succeeds Gaylord Munson, '33, Junction City.

Mr. Luhnnow was a prominent figure in the successful reform election at Kansas City last year.

GRIMES RE-ELECTED TREASURER

Other officers elected at the meeting included Dr. R. V. Christian, '11, Wichita, vice-president; Dr. W. E. Grimes, '13, head of the Department of Economics and Sociology, treasurer, and Prof. A. P. Davidson, '14, of the Department of Education.

Three members of the board of directors were re-elected. They were Dean Roy A. Seaton, '04, Division of Engineering and Architecture, on leave in Washington on national defense training activities; Gaylord Munson, retiring association president, and Doctor Grimes.

Appointed to the Alumni Association Advisory Council were Carlton Hall, '20, Coffeyville; J. W. Ballard, '26, Topeka, and Mrs. Frank W. Boyd, '02, Phillipsburg. Kenney L. Ford, '24, Manhattan, was reappointed executive secretary.

DEFER UNION ACTION

The directors and Advisory Council of the association decided that there was little they could do in the way of special service for alumni or former students who were in the armed services of the country.

Determination of the part alumni should play in the plans for the new Student Union building was deferred until a later meeting of the Alumni association officers.

The class of 1916 broke all previous attendance records for that class reunion, according to Mr. Ford. Zane Fairchild, Omaha, was the responsible leader.

Class of 1891 attendance was unusually good. Christine Corlett, '91, of Bell, Calif., gave \$100 to the Alumni association to be used in the student loan fund. The gift is a memorial to her brother, Arthur Corlett.

How to Study County

Prof. Harold Howe of the Department of Economics and Sociology will be in Missouri June 1 to 14 assisting in a program of economic adjustment for an acute problem area in that state. The area being studied is in Washington county, a short distance south of St. Louis. In this area hand mining of barite is the chief occupation of the people, and during the past months adjustments in the industry have caused serious unemployment and wage problems.

DR. DAVID FAIRCHILD'S PLANT RESEARCH IS PLAYING ROLE IN DEFENSE ACTIVITIES

Research work done 25 years ago by Dr. David Fairchild, graduate in the class of 1888 and son of former Pres. George T. Fairchild, is expected to play an important role in insuring tung oil for America's defense.

For centuries, the Chinese have waterproofed their floating junks with tung oil from the oriental tung tree. The oil resists the corrosive action of salt water and is used by the United States navy on woodwork and for "spar varnish."

All of the tung oil used in this country is imported from China and these shipments have been seriously curtailed by the war, according to information from Washington sources. Already Brazil has expanded its plantings and Southern farmers are being asked to plant tung trees which were first introduced into California in 1905 by Doctor Fairchild, then a plant research worker with the

United States Department of Agriculture.

Because the flow of tung oil from China has been reasonably steady until the current China "incident" began and because frosts in the early spring have been a threat to the tung trees, few efforts were made to introduce the trees in the United States. Now, however, agricultural experts are trying to persuade Southern farmers to plant the trees in small groves near the gulf coast of Florida, Alabama, Mississippi and Louisiana. The trees bear fruit after the third year and real production begins with the sixth or seventh year.

Doctor Fairchild has retired from service with the United States Department of Agriculture and is now living in Florida. Doctor Fairchild received an honorary degree from his Alma Mater several years ago. He is the author of "The World Is My Garden," his autobiography.

Oldest Graduate



MRS. NELLIE KEDZIE-JONES, '76

STEEL RING IS STARTING PICTORIAL HALL OF FAME

Four Who Have Contributed to Engineering Will Have Their Portraits
in Lobby Collection

Steel Ring, honorary engineering organization, is starting a Hall of Fame picture collection which will hang in the main lobby of Engineering hall. The organization has set up a committee system which will work closely with the College engineering faculty in selecting each year a man worthy of having his picture added to the Hall of Fame collection.

The pictures are of men who, in the opinion of the investigating committee, have been most valuable and instrumental in building up the Division of Engineering and Architecture. The committee has been working more than a year in selecting the first four men to be honored. They are A. A. Potter, professor and dean of the Division of Engineering at Kansas State College from 1905 to 1920, now dean of engineering at Purdue university; the late O. P. Hood, associated with Kansas State College from 1886 to 1898 as professor of engineering; the late John D. Walters, 1877 to 1917 at Kansas State College, head of the Department of Architecture and publisher of a history of Kansas State College; the late Edmund Burke McCormick, 1901 to 1913, professor of mechanic arts.

Each year, hereafter, Steel Ring plans to add the photograph of one person to the Hall of Fame collection. The committee in charge is to work through department heads, staff members and the dean of the Division of Engineering and Architecture in obtaining a list of nominees for the honor. Final selection will be by the entire Steel Ring membership.

4-H CLUB DELEGATES HERE FOR ANNUAL STATE ROUNDUP

Attendance Is Limited to 1,496 Members
Selected by Home County Leaders

Delegates from all Kansas 4-H clubs were on the campus this week for the 19th annual Kansas 4-H Club roundup which began Monday. Attendance at the roundup, which continues through Saturday morning, is limited to 1,496 official delegates who were selected by leaders in their home counties as official delegates.

Boys attending the roundup are housed on the main floor of Nichols Gymnasium and the girls live in Van Zile hall, residence hall for women, on the campus.

Sectional meetings began Tuesday morning with special programs for adult leaders, junior leaders, classes for boys and classes for girls. Language, literature, safety, food, nature study, dairying, poultry husbandry, home decoration, clothing and music are among the fields to be covered by speakers during the five-day program.

TWO GOVERNORS ATTEND COMMENCEMENT PROGRAM

PAYNE H. RATNER AND RALPH L.
CARR SPEAK TO GRADUATES

Mrs. Nellie Sawyer Kedzie-Jones, Oldest Living Kansas State Graduate, Returns to Campus
for Reunion

(Harbord's Talk on Page Two)

Two governors—Payne H. Ratner of Kansas and Ralph L. Carr of Colorado—participated in the ceremonies May 26 when degrees were conferred on 659 students. The number of graduates this year was 24 more than in 1940.

One honorary degree was conferred this year—a doctor of science degree to Roy M. Green, president of Colorado State college, Ft. Collins, Colo. Mr. Green was formerly an economics teacher at Kansas State College, Charles R. Stumbo, who received his bachelor's degree here in 1936, was awarded a doctor of philosophy degree, his major field being bacteriology.

Both governors congratulated the graduating class. Governor Carr stressed the duties of citizenship in the present turbulent world. W. N. Kelly, Hutchinson, a member of the State Board of Regents, gave a brief address.

Among the alumni introduced before the degrees were conferred was Mrs. Nellie Sawyer Kedzie-Jones, the oldest living graduate of Kansas State College. Mrs. Kedzie-Jones, who formerly taught home economics at the College, now lives at Madison, Wis., where she formerly was a member of the University of Wisconsin faculty.

Maj.-Gen. James G. Harbord, who was introduced by Pres. F. D. Farrell at the Alumni-Senior dinner as Kansas State College's most distinguished alumnus, gave a talk on "Suitable for Civilization." His talk was broadcast over the blue network of the National Broadcasting company. General Harbord discussed this country's attitude toward the present war, recent advances of science, Kansas and the College.

GREAT EDUCATIONAL JOB

In a baccalaureate address May 25, Dr. George D. Stoddard, dean of the Graduate college, State University of Iowa, Iowa City, said that the possibilities for human development through education were greater than our ancestors supposed.

"The possibilities for human development through education means are far greater than our ancestors supposed," Doctor Stoddard said. "Nowhere, from Plato to Rousseau, was there any convincing argument to show that the great mass of people could be taught to read and write. Until the Civil war period there were no high schools and not many private secondary schools in the whole United States. Colleges and universities did not come into their giant stride for two more generations. We leapt, as it were, from the 'school of life' to schools which sheltered us beyond the ages of childhood."

KENT GIVES RECITAL

"We must achieve not only a high degree of individual efficiency, but a mastery of social technique. We must, as John Dewey says, learn to think alone, but to work with others. Let us assume that great co-operative enterprises will be in part a function of private mental capacity. By so doing we may get down from a world view to a view of life that centers in our own ego."

Doctor Stoddard said there is no proof at all that mental ability stays at the highest level reached during college days. Although our colleges are only fairly adequate stimuli to mental activity they do provide one highly important factor in motivation: leading the student to higher tasks when he has mastered those at a certain level.

Arthur Kent, bass-baritone of the Metropolitan Opera company, sang at the annual commencement concert given in compliment to the graduating class. More than 1,000 attended.

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HILLIER KRIEGERBAUM, RALPH LASHBROOK, JANE
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KENNEY FORD Alumni Editor

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WEDNESDAY, JUNE 4, 1941

"AD ASTRA . . ."

The more pessimistic among us sometimes express the belief that the world cannot be saved from a new era of barbarism; that all the gains of civilization may be lost in the years immediately ahead.

Such a viewpoint does not reckon with the tremendous vitality of civilization. Those who attended Commencement at the College must have been impressed by that fact. More than 500 young people received degrees in a setting of surpassing beauty which less than a century ago was in almost undisputed control of a stone-age people. The College itself was founded in the middle of America's most destructive war of all time.

Dark days may lie ahead but College people should be particularly able to face them with confidence. They know from history that civilization has survived and even advanced through periods of adversity; they know from personal acquaintance that the present generation of young people is well equipped, in training and in character, to meet the future, whatever it may be.

IN OLDER DAYS

From the Files of The Industrialist
TEN YEARS AGO

Dr. Louis Leopold Mann, rabbi of Chicago Sinai congregation and professor of oriental languages at the University of Chicago, spoke at the baccalaureate services for the class of 1931.

More than 550 alumni and members of the 1931 senior class attended the alumni banquet. Mrs. Mame (Alexander) Boyd, '02, president of the College Alumni association, was toastmistress, and Prof. William Lindquist, head of the Department of Music, led the songs.

TWENTY YEARS AGO

Mrs. George Strother, '16, was principal of the Geyserville grammar school, Geyserville, Calif.

Willis W. McLean, secretary of the YMCA at this College for 11 years, was farming near Carpinteria, Calif., and raising lemons and strawberries.

THIRTY YEARS AGO

Sarah Hougham, '03, was assistant librarian in the University of North Dakota.

O. E. Noble, '97, and Bessie (Lock) Noble, '98, came for a visit in Manhattan from their home in Hobart, Okla., where Mr. Noble was city engineer.

FORTY YEARS AGO

Ella Weeks, second year in 1897, was graduated from the School of Fine Arts of the University of Kansas.

R. W. Clothier, '97, was elected to the chair of chemistry and agriculture in the Third District normal school of Missouri, Cape Girardeau.

FIFTY YEARS AGO

H. N. Whitford, '90, was engaged as teacher in the Manhattan schools for the next year.

W. A. Anderson, '91, went to Topeka to enter service as a railway telegraph operator.

SIXTY YEARS AGO

President Fairchild planned to leave Manhattan August 1 for the East and to visit a number of agricultural colleges, including Michigan, Ohio, Indiana and Iowa.

Maj.-Gen. James Harbord's Address on "Suitable for Civilization"

I am speaking here as one who may be expected to allude to the present and guess at the future in terms of a rather long view of the past. As a senior in the college of life, I tonight address myself primarily to the men seniors of Kansas State, the successor to the old "K. S. A. C." of blessed memory. Those present whose seniority lies somewhere between may accept my observations or my apologies, whichever they consider most appropriate.

A good many of this senior class are, I suppose, planning to follow, by the most up-to-the-minute methods, the oldest of the arts and sciences—agriculture. I happen to represent the youngest of the arts and sciences—young in years and in outlook—radio.

With me I bring vivid memories of a farm boyhood in the "good old days" of pioneer Kansas. And, between my old-time farm and new-time radio years, lies experience in another ancient, but still deplorably necessary, art that has thrust itself upon our reluctant attention today—the art of war.

The world of today being what it is, I can hardly adopt the time-honored theme of addresses to seniors, and say to you: "Young people, look at the glorious heights to which civilization has risen! All this beautiful world is yours!" The spotlight of the immediate present focuses on too much that is not beautiful to permit the expression of any such comforting sentiments.

Let us face at the outset the fact that the democracy of the British Empire is under powerful assault by totalitarian aggressors. We dare to believe that Britain, with America's aid, will win this struggle, but I am not bold enough to believe that she will last through the summer without convoys, or through the year without actual American intervention.

Unless this is no longer the severely practical school of my youth I have faith that your eyes are open to the perils that are surely ahead, and that you are preparing to meet them like men. In your attitude towards conscription in peace or war, and your awareness of the totalitarian menace to our institutions lies hope or despair for our country. Service to the flag in times like these is a responsibility inherent in the emergency that confronts occidental civilization. Such conditions as now confront us are not new in this world. No son of this institution should haggle, evade or try to make conditions if the call comes to him. They do not spring from the failure of incompetent diplomats or derive from scheming international politicians.

You are the heirs of our civilization, its culture, its political institutions, education, art and literature, for which, almost once in each generation, men of your race have marched forth and died. Recall the immortal one-line history by Thucydides of the flower of Athenian youth who perished in the quarries of Syracuse, and emulate those youngsters of whom he wrote: "Having done what men could: they suffered as men must."

Let us face also the fact that within our own country economic, social, and political problems have arisen that were undreamed of when my class of 1886 sallied forth to solve the problems of mankind. I have faith that your generation will see our present domestic obstacles surmounted, but in the meantime none of us should shirk the realization that they exist.

Having admitted the glaring imperfections of the present, however, we do not need to accept the viewpoint that the world is all wrong, just because it is not all right. We can still agree with a contemporary Kansan, William Allen White, when he says that he does not fear tomorrow, because he knew yesterday and is alive today.

The normal human outlook is a hopeful outlook—not one of despair. The normal philosophy of youth is one of courage, not of fear.

You have trained your minds in books, and your hands in agriculture and applied sciences, because you know the importance of keeping pace with the progress of our era and the promise of the future. You are not the spoiled darlings of our financial

boom period. You spent your maturing years in the harsh realities of an economic depression, became familiar with the shocking echoes of the bomb period in Europe; and kept faith in yourselves. Instead of lecturing you, I cite you as "Exhibit A" to some of your elders who have lost their enthusiasm for the road ahead.

In the gloomy ten years that began in 1929 the notion was current that individual enterprise was no longer creative, that progress was at a standstill, and that fresh opportunities for young men and young women to make a place in the world no longer existed.

Yet those ten years saw the introduction of transoceanic airplane service. Television, by the expenditure of years of scientific research and millions of dollars, was brought out of the laboratory and into the experimental stage which will lead eventually to a broad public service. Daily broadcasts of world news from overseas became a regular feature of American home life, bringing an enlarged conception of what "a fully informed democracy" can be. Sulfanilamide and similar drugs were discovered, a medical advance which already has saved many lives.

Among other forward steps in the decade of depression were: Streamlined and air-conditioned trains, greatly improved automobiles, synthetic rubber, new plastics, a striking growth in farm electrification, more than 100,000 miles of new truck roads and country roads and more than 40,000 new bridges in the United States, nylon to take the place of silk, colored home movies, fluorescent lighting, fiber glass for insulation and textiles, glass building blocks, polarized glass, plywoods as strong as iron, synthetic vitamins and hormones.

To appreciate the full significance of this partial list of recent achievements we must remember that an advance in one field usually opens a gateway to benefits in others. The increasing knowledge of synthetic materials touches the farm by suggesting the possibility of silk from surplus milk and bathtubs from cornstalks. Improvements in airplane motor design are reflected in automobiles, and the automotive industry, in turn, supplies ideas for aviation.

An especially dramatic example of widening vistas is provided by radio research. The twenty-one and a half years since the Radio Corporation of America was founded have witnessed the development of a service of radio-telegraph communication which connects our nation directly with 43 countries, and ships on every sea. Radio broadcasting was established, and has been built into an indispensable public service reaching 50 million radios in American homes and automobiles. As some scoffers lightly remarked, "It has enormously increased the number of speeches to which we do not have to listen." Radio-telegraphy and broadcasting are supplemented by a highly competitive radio manufacturing industry. Each service of radio has forged ahead independently, yet each has been helped to its achievements by an interchange of knowledge gained by everyday experience and scientific research in the others.

The application of electronic devices to a continually increasing variety of scientific and industrial uses is one of many ways in which radio research has found and explored new avenues. A recent illustration is the development of the RCA electron microscope, a by-product of television research. The magnifying power of this instrument extends more than fifty times beyond the farthest range of the optical microscope. It will be of incalculable value in the study of the bacteria of human disease, and also of the raw materials of industry, as well as the insecticides, fungicides, fertilizers, and plant hormones so important to agriculture. It makes a microbe look as big as a mud turtle. Its capabilities reach out to the improvement of materials and processes in manufacture—and into national defense, to which RCA is devoting its activities and interests in research, engineering, communication, and manufacturing.

The expenses ahead beckon to all of us, as the geographical expenses beckoned to Coronado on the plains

of the present Central Kansas just 400 years ago. He found grass huts of primitive Indians here, instead of the golden spires of the fabled seven cities of Cibola which he had expected. But he had the vision to look to the future and write in his report that the region was "Suitable for Civilization." His faith has been abundantly fulfilled.

When the little steamer Hartford poked its nose up the Kaw in 1854, stuck on a sandbar three days, and then chugged on, only to run ashore near the mouth of the Big Blue, the men and women who in disgust got off to found Manhattan had with them what were then considered the necessities for home-making. The number of their necessities would seem pitifully small to us today. Even when I was a boy on a homestead claim in Lyon county the number of articles regarded as essential to an acceptable standard of living was extremely scanty according to present-day standards. Today the average American family uses several hundred separate articles, ranging from refrigerators and vacuum cleaners to books, magazines, motor cars, telephones, and radio receivers, broadening the mental outlook as well as ministering to comfort and enjoyment.

So long as inventive genius, individual initiative, and the liberal education, of which KSAC is a symbol, are pushing back horizons no one can truthfully say we are nearing the end of the trail. The immediate scene may not come up to our dreams of a perfection comparable to the golden mansions of Cibola—which never existed except in fable. At times we may run aground temporarily, as the founders of Manhattan did. But the territory of intellectual and material well-being in front of us is still eminently "Suitable for Civilization." New products and services will continue to spell new opportunities for ambitious young men and women.

It is in the realm of social and political progress that I see our greatest possibilities for growth and improvement. And here I speak particularly to the seniors of KSAC—because before another half-century has passed the women and men of college senior age today will inherit the earth.

Youth must be in the vanguard if a movement to more vital representative government is to attain full force. Each Presidential election finds approximately ten million young men and women who have reached voting age in the preceding four years. They are the makers of the presidents, and the governors, and the mayors of the future. In the main the governmental and social aims of our young people are high. But many of them do not translate their vision into political power at the polls. They seldom take the trouble to study seriously the real implications of specific political issues. Sometimes they do not vote at all.

I believe the selective military service upon which we have entered will help to solve this problem of alert citizenship. Young men who go into the army for training are being stimulated to a feeling of direct personal responsibility for the welfare of their country, which stands as one of the few remaining outposts of that liberty, democracy and free speech for which Americans have fought in the past. The older generation, too, should be inspired to stronger citizenship when they see foreign dictatorships challenging our American way of life. We must value our way of life not in dollars, but in terms of sacrifice and suffering.

In this period of difficult decisions, you might recall a remark of that famous American pioneer, Daniel Boone. He was asked if he ever got lost as he pushed through the trackless forests and across the prairies of early America.

"No, I was never lost," said Daniel, "but I was confused for three or four days once."

Ours is a far more complex world than that of Daniel Boone. It is not to be wondered that we, too, become confused at times. It would be remarkable if we did not. But unless the citizens of America fall far short in their appreciation of the achievements of her past and present, we need not fear for her future. If we keep our faith, our vision, and our

sense of direction and values, we shall not lose our way. We will advance steadily along the trail blazed by our pioneering forefathers, and there will never be a "lost generation" in America. Truly as Coronado said this is a land "Suitable for Civilization."

SUNFLOWERS

By H. W. Davis

A BLESSING, PERHAPS

As tough as the job and the times look, the younger generation—now graduating from schools and colleges—will take things over and keep the human race and some form of civilization going for considerable time to come.

My only reason for thinking so looks and sounds weak, but it is sufficient to stand against a thousand reasons for suspecting that all the progress gained up to today is due to be wiped out by 1942. In one hundred per centum of all "situation" since the beginning of time the younger generation has invariably worked out something. All these "somethings" put together we call human progress.

I suppose every commencement speaker in America has pointed out to youth being degreed that chances are pretty slim. Every orator has touched upon the little the world has to offer to those who would tote it upon their shoulders for a spell. What with bomb and flare bursting from every angle above and torpedoes slithering around from all directions below, the job of balancing the wobbly debt-barnacled spheroid on two small shoulders looks more than Herculean to even the most powerful orator.

But the powerful orator—and you and I—must remember that there is a "carry-on" craziness hidden in the recesses of young human animals that always makes such talk—no matter how eloquently it may be talked—merely talk, and consequently so much hokey to be respectfully listened to and then forgotten.

As absurd as it may seem to you—and it seems just as absurd to me—I stubbornly maintain that graduates who go from dourful commencement addresses into the gayety of farewell parties and cheerful goodbyes to school and all that exhibit exactly what it is going to take to make the pessimistic orator look like a dope 10 or 20 short years from today.

In the ignorance and resilience of youth lies—as always—the hope of tomorrow. (Certainly the brains and the efforts of maturity have nothing to point to with pride today.) Maybe the world can take hope in the fact that the younger generation does not seem to realize what the uproar is all about, that youth goes gaily on into the maelstrom without a bundle of deep-seated fears and convictions we elders bemoan their not having.

If a little wisdom is a dangerous thing, a lot of ignorance ought—by all that's mathematical and paradoxical—now and then prove to be a blessing.

"A LOGICAL CONTRADICTION"

It is a strange fact that the two basic ideas of democracy, freedom and equality, form a certain contrast, a logical contradiction. For logically and absolutely considered, freedom and equality are mutually exclusive, just as the individual and society are mutually exclusive. Freedom is the need of the individual, but equality is a social need, and social equality, obviously, limits the freedom of the individual.

But logic has not a final nor the highest validity for life, and in ethic requirements of man, freedom and equality are not a real contradiction. The contrast between them is resolved in that which transcends and relates both of them, namely in Christianity.—Thomas Mann, in Decision.

EDUCATION'S TASK

This is the task of a liberal education: to give a sense of the value of things other than domination, to help to create wise citizens of a free community, and through the combination of citizenship with liberty in individual creativeness to enable man to give to human life that splendor which some few have shown that it can achieve.—Bertrand Russell, in Power.

AMONG THE ALUMNI

Fanny (Waugh) Davis, B. S. '91, M. S. '99, writes a report of her years since graduation in 1891.

"I taught country school, which was considered a 'stepping stone to something higher,'" she said. "I was private secretary and stenographer to my husband during his quarter-century career as agricultural editor for the J. B. Lippincott company, helping him write six books and edit over 40 others. I made many illustrations for these books, and others, wrote a bulletin for the U. S. D. A. and poetry which nobody ever read. "Have been a devoted (and dotting) mother of two fine children, the youngest a graduate of K. S. C. '32. The oldest is with the Lockheed Aircraft corporation—and I am a model mother-in-law to the grandest girl who never got to K. S. C."

"I have been a dull, exemplary citizen for nearly three score years and ten. Never been in jail. Always paid my taxes. Own my home which is not mortgaged—and who gives a hoot about this stuff anyway?"

The Pulp and Paper Magazine of Canada, September, 1936, writes of Royal S. Kellogg:

"Mr. Kellogg was born in 1874 in Cato, N. Y., and finished his schooling in Kansas, graduating from the State College in 1896 with the degree of B. S. He was awarded the M. S. degree in 1899. After teaching school, doing surveying work, etc., he was with the U. S. Forest Service from 1901 until 1910. In that year he became Secretary of the Northern Hemlock and Hardwood Manufacturers' association, resigning in 1915 to take the secretaryship of the National Lumber Manufacturers' association, which he held until 1918. Since 1918, Mr. Kellogg has been secretary-treasurer of the News Print Service bureau, and in 1933-34 was also secretary-treasurer of the Association of Newsprint Manufacturers of the United States. In this capacity he had much to do with the government's program of industrial codes."

Mr. Kellogg and his wife live at Wilton, Conn.

Ruth (Mudge) Dimock, B. S. '01, was not able to attend her class reunion. She lives in Lexington, Ky. She and her husband, William Dimock, Swigert lane, Lexington, have had five children.

John A. Thompson, B. S. '03, is inspector at Spokane, Wash., in charge of the United States Bureau of Animal Industry. He and Veta (Nance) Thompson live at 118 West Twenty-Seventh avenue, Spokane.

George T. Ratliffe, E. E. '11, is nursery manager for the Soil Conservation service at Sibley, La. He and Clara (Blair) Ratliffe, '15, live at 715 Buchanan, Minden, La.

George W. Brown, Ag. '13, may be addressed at Box 1208, Ely, Nev.

Earl R. Harrouff, B. S. '16, was called into service in the United States army as major in the Chemical Warfare service, assigned to Edgewood arsenal, Edgewood, Md., near Baltimore, beginning May 15. He served in this outfit in the World war. Because of this call, he must miss the 1916 class reunion.

Phoebe (Rebstock) Carleton, H. E. '20, and H. M. Carleton, f. s. '19, are at home at 1101 West Center street, Visalia, Calif.

Ruth (Rathbone) Sallee, M. '22, and Robert M. Sallee live at 912 North Manhattan, Manhattan. Mr. Sallee last month announced the opening of a refrigeration service, both domestic and commercial. The new service will give installation and repair to refrigerators. The service will be located at 312 North Ninth street.

George S. Wheeler, G. S. '26, is working in the mails and records offices of the finance department of the War department. His address is 1426 Twenty-First street, N. W., Washington, D. C.

Roscoe T. Nichols Jr., C. '31, is a captain in the United States army and may be addressed at 3007 Sheridan road, Salt Lake City, Utah.

William C. Lacy, E. E. '35, is with the service department of the Sperry Gyroscope company, Inc., Manhattan Bridge plaza, Brooklyn, N. Y.

Mark Lovejoy, C. E. '36, has a federal job in the Panama Canal

Zone. He formerly had been living in Frankfort. Mrs. Lovejoy and the children will leave in a few weeks.

Frank J. Santo, Ag. '37, is officer in charge of the agricultural marketing service in the Division of Dairy and Poultry Products, United States Department of Agriculture. His address is 1313 Big Bend, Richmond Heights, Mo.

Clark B. Stephenson, Ag. '37, teaches vocational agriculture in the high school at La Harpe.

Walter E. Folkerts, M. E. '38, a tool designer, and Agatha (Keyl) Folkerts live at 807 Nims avenue, Wichita.

K. M. "Ted" Warren, P. E. '39, has started in business in Manhattan as agent for the Equitable Life Insurance Company of Iowa. Mr. Warren plans to establish an office here as soon as a suitable location can be found. He won varsity letters on the Kansas State football team and played basketball. After graduation from College, he served as assistant coach here under Wes Fry for two years. After he left Manhattan, Mr. Warren coached for a year at Delphos high school and last season was head coach at the College of Emporia.

Jayne (Glenn) Robinson, M. S. '39, teaches foods at Houston college and is a substitute teacher in the city schools in Houston. Her address is 2610 Elgin avenue, Houston, Texas.

MARRIAGES

BURSON—WALSER

Ona Lee Burson, P. E. '36, and Joseph H. Walser, f. s. '40, were married April 5 at the home of the bride's parents here. The couple left immediately after the wedding for Kansas City where they will live at 712 West Thirty-Seventh street. Mr. Walser is with the Tobin Construction company, Kansas City.

VAWTER—MEEK

The wedding of Roberta Viola Vawter, H. E. '41, and the Rev. Louis F. Meek, G. S. '38, was May 17, at the home of the bride north of Oakley. The Reverend Mr. Meek was graduated this year from the Presbyterian Theological seminary, Omaha. They will live at Sharpsburg, Iowa, where he is pastor of the Presbyterian church.

KENNEDY—JARVIS

Mary Kathryn Kennedy became the bride of Morgan Jarvis, D. V. M. '40, on May 10. The bride completed her course in landscape gardening last semester and will receive her degree this spring. She is a member of Alpha Delta Pi sorority. Mr. Jarvis, a member of Alpha Gamma Rho fraternity, practices veterinary medicine at Twin Falls, Idaho, where they are at home.

PETERMAN—SUGHRUE

Kathryn Peterman, H. E. '36, home demonstration agent for Ford county, and Herbert K. Sughrue, district personnel director for the National Youth administration at Dodge City, were married May 3 in Dodge City. Mrs. Sughrue, a member of Alpha Delta Pi, was elected St. Patricia at the Engineers' ball in 1935. After graduation she taught home economics in Spearville until three years ago when she accepted her present position. After a wedding trip to Mexico, Mr. and Mrs. Sughrue will be at home in Dodge City.

FERGUSON—PAGE

The marriage of Janet Mary Ferguson and David Ramsey Page, M. I. '38, took place May 3. Mrs. Page was graduated from Northwestern university, Evanston, Ill., last year and has been assistant to Prof. John I. Frederick of the English department of Northwestern university the past winter. Before going to Northwestern, she attended Kansas State College. She is a member of Pi Beta Phi sorority.

Mr. Page, member of Beta Theta Pi fraternity, is connected with the Page Milling company, which his grandfather, the late Thomas Page, founded.

They will be at home at 216 East Huron street, Chicago.

BIRTHS

A "stork news service release" from Gillette, Wyo., tells of the bundle delivered May 3 to Ben C. Kohrs, Ag. '35, and Mrs. Kohrs. Mary Bess was selected as the name

for the young Miss. Mr. Kohrs is county agent at Gillette.

Keith G. Friel, C. '32, and Ella Rae (Davis) Friel, f. s. '34, have a daughter born May 6. They have named her Karen Sue. The Friels live at Wellington, where Mr. Friel is assistant manager of the J. C. Penney store.

DEATHS

CIRCLE

Edna Ellen Circle, H. E. '28, died May 9 in Christ's hospital, Topeka. She had been an instructor for the past seven years at Seaman Rural high school, North Topeka. She is survived by a sister, Elizabeth (Circle) Garver, '20, and a brother, Ray Circle, Ag. '23.

ADVANCED ROTC CANDIDATES

Ninety men have been selected from a list of 255 applications for the advanced Reserve Officers' Training corps course next fall at the College. These students who have completed training equivalent to two years of basic R. O. T. C. training and who are now signing their advanced course contracts, will be able to defer their military training under the Selective Service act.

Announcement of the approved application was made May 24 by Lt. Col. J. K. Campbell, head of the College military staff. Colonel Campbell added that if these students complete 360 hours of college work, a six weeks' summer camp and meet other requirements, they will receive commissions as second lieutenants in the United States Army reserve.

Students in the coast artillery corps include: Earl C. Barb, Hamilton; Wendell D. Bell, Silver Lake; David Blevins, Manhattan; Jess Boughton, Salina; Ben Buehler, Bushnot; Rex Burden, Chase; George Campbell, Wichita; Gordon Cloepfl, Hunter; Lyle Cox, Atchison; Arthur Fillmore, Augusta; Leon Findley, Kiowa; Thomas Fletcher, Norton; Duane Green, Leoti; Edward Hellmer, Olpe; John Helm, Simpson; James Hiller, Salina; Everett Janne, Wilson.

Melvin Jarvis, Salina; Louis Johnson, Liberal; Charles Lacey, Belleville; Harry Lott Jr., Valley Falls; David Lupfer, Larned; Wayne MacKirdy, Manhattan; Jerome McConnell, Salina; Max Oelschlaeger, Enterprise; Ray Offutt, Wichita; Gordon Osburn, Chapman; George Peterkord, Greeley; William Peycke Jr., Alta Vista; Marvin Reinecke, Great Bend; Robert Schreiber, Garden City; Everett Siegel, Princeton; Joseph Somers, Topeka; John Stallings, Frankfort; Donald Stuewe, Alma; Ernest Swanson Jr., Kansas City; James Vavroch, Oberlin; Allen Webb, Manhattan; Howard White-side, Neodesha; Virgil Whitsitt, Phillipsburg.

Students in infantry include: Maynard Abrahams, Wayne; John Adams, Atchison; Robert Barber, Manhattan; Frank Barnhart, Ft. Riley; Larry Beaumont, El Dorado; Kermit Beary, Edson; Denzil Bergman, Manhattan; Morris Buckman, Olathe; Edward Buss, Holton; Ronald Campbell, Cherryvale; Albert S. Coates Jr., Kansas City; George Curtis, Toronto; Paul DeWeese, Cunningham; Ernest D. Doryland, Manhattan; Daniel Durniak, Columbia, N. Y.; Francis D. Engwall, Jamestown; Robert Floersch, Manhattan; Edgar Glotzbach, Paxico; Wayne Godsey, Netawaka; Keith Henrikson, Manhattan; Junior Hicks, Herington; George Inskeep, Manhattan; Keith Jones, Penaloza; Malvin Johnson, Moran; Donald Kimball, Lane; Joe E. Kirkpatrick, Bogue; Gerald Klema, Wilson; Norman Kruse, Barnes; Dean T. Lill, Mt. Hope; Dale F. McCune, Stafford; Kenneth Mitchell, Axtell; Melville R. Mudge, Eskridge.

Fred Mueller, Topeka; Ethan Potter, Peabody; James Prideaux, Manhattan; Rex L. Pruett, Culver; Harold E. Rall, Menlo; William Robertson, Barnard; Merrill D. Rockhold, Herington; Richard Rogers, Manhattan; Darrell Russel, Canton; Charles Schwab, Morrowville; Edward Seufert, Tonganoxie; Eugene Snyder, Junction City; Delbert Townsend, Danbury, Neb.; Robert Wallace, Colby; James W. Watkins, Manhattan; Oid L. Wineland, Alton; Ernest E. Woods Jr., Kansas City, Mo.; Jack E. Zumburn, Enterprise.

ALUMNI REGISTRATION DURING COMMENCEMENT

Alumni Registration

Those who registered with the Alumni association office during Commencement week included the following former students and graduates:

1876—Nellie S. Kedzie-Jones, Madison, Wis.

1877—George H. Failyer and Ella (Child) Carroll, Manhattan.

1883—J. T. Willard, Manhattan.

1885—Albert Deltz, Kansas City, Mo.

1886—Maj.-Gen. James G. Harbord, New York City; Maria (Hopper) Getty, Downs.

1887—Walter J. Burtis and F. A. Marlatt, Manhattan.

1888—J. R. McAninch, f. s., Kansas City, Mo.; Carl E. Friend, Lawrence; Winifred (Brown) Burtis, f. s., Manhattan.

1889—Susan (Nichols) Eshelman, St. Joseph, Mo.

1890—Schuyler C. Harner, Manhattan.

1891—Madeleine W. Milner and Paul C. Milner, Mt. Dora, Fla.; Frank A. Waugh, Amherst, Mass.; Christine M. Corlett, Bell, Calif.; J. N. Bridgman, Sierra Madre, Calif.; Fanny (Waugh) Davis, Nashville, Tenn.; A. A. Gist, Chanute; P. M. Linscott, Holton; Delpha (Hoop) Montgomery, Topeka; H. W. Avery, Wakefield; C. E. Coburn, Kansas City; S. N. Chaffee, Solomon.

1892—Dan H. Otis, Madison, Wis.

1893—William E. Smith, Wamego; Susie (Hall) Linscott, Holton; C. A. Kimball, Manhattan.

1894—Mary (Lyman) Otis, Madison, Wis.

1895—R. J. Barnett, George A. Dean, Ada Rice, Manhattan; Kate (Pierce) Baker, f. s., Wapello, Iowa; Marietta (Smith) Reed, Holton.

1896—Carl Snyder, Tecumseh; C. E. Pincomb and Marion (Jones) Pincomb, Overland Park; Gertrude (Stump) Cudney, Trousdale.

1897—J. E. Trembly, Council Grove.

1898—Henry W. Rogler, Matfield Green; Schuyler Nichols, Herington; Alice Melton, Anna (Dahl) Davis, Manhattan.

1899—Harry W. Johnston, Manhattan; Mary (Waugh) Smith, Los Angeles.

1900—Charles M. Correll, Jessie M. Wagner and Minerva (Blachly) Dean, Manhattan; L. W. Waldraven, Randolph.

1901—Carrie (Wagner) Gresham, Bingham Canyon, Utah; Harry E. Fay, Belton, Mo.; Martha (Nitcher) Sowers, Story City; Emma (Miller) Cook, Milford; E. L. Morgan, Phillipsburg; J. A. McKenzie, Solomon; Estella Tharp Edwards, Cedar Vale; Fred W. Haselwood and Maude (Zimmerman) Haselwood, Redding, Calif.; C. N. Allison, Falls City, Neb.; J. H. Osterhaus, Kansas City, Mo.; Maud (Sauble) Rogler, Matfield Green; Ina F. Cowles, Etta C. Barber, f. s., Charles A. Scott, Charles J. Barson, Minnie (Howell) Champe and Tren (Dahl) Turner, Manhattan; Helena (Pincomb) Symms, Atchison.

1902—Mame (Alexander) Boyd, Topeka; Leonora (Egger) Allison, f. s., Falls City, Neb.; Del Mar Akin, Manhattan.

1903—J. W. Fields, McPherson.

1905—George Dix Wolf, Manhattan; Edith (Davis) Aicher, Hays; Frances (Fish) Brown, Fall River.

1906—Laura (Lyman) Weaver, Springfield, Ohio; A. D. Stoddard, Duncan, Okla.; W. B. Thurston and Stella (Campbell) Thurston, Kansas City, Mo.; Winifred Dalton, St. George; Charles A. Gilkison, Larned; Jessie (Reynolds) Andrews, C. W. McCampbell and Martha S. Pittman, Manhattan.

1907—J. L. Pelham, Albany, Ga.; Bessie (Nicolet) Cron, Alamo, Texas; Clarence Nevins, Dodge City; L. M. Jorgenson and Mary Kimball, Manhattan.

1908—Maud (Harris) Thompson, Marion; A. B. Cron, Alamo, Texas.

1909—A. G. Kittell, Topeka; Odell (Wilson) Elliott, Coats; Marie (Coons) Weigel, Manhattan; Virgil C. Bryant, Redding, Calif.

1910—Isabelle (Arnott) Bryant, Redding, Calif.; L. C. Aicher, Hays; Gladys (Nichols) Dearborn and E. H. Dearborn, Manhattan; Winifred (Alexander) Smies, Courtland.

1911—R. V. Christian, Wichita; Robert C. Moseley, Wamego; Edith (O'Brien) Thompson, Iola; Glenn E. Whipple, Omaha, Neb.; Ellen Nelson, Randolph; W. B. Honska, Salina; Harvey Roots, Pearl (Smith) Roots, W. B. Speer, Elsie (Rogler) Speer, Maria Morris and H. H. Laude, Manhattan.

1912—Richard W. Getty, Downs; Willis N. Kelly, Hutchinson; John H. Anderson, Kansas City, Mo.; Walter G. Ward, Nellie Aberle and A. J. Mack, Manhattan.

1913—Arthur H. Montford, Hutchinson; Fred F. Rees and Ethelyn (Pray) Rees, Beloit; Jennie Irene (Flinn) Riddle, Kansas City, Mo.; E. H. Smies, Courtland; W. E. Grimes, Alice (Roberts) Lomberger and Ramona (Norton) Phillips, Manhattan.

1914—Margaret (Jones) Jones, Lincoln, Neb.; A. P. Immenschuh, San Diego, Calif.; A. P. Davidson, F. A. Smutz, Mary (Nixon) Linn, C. H. Scholer, A. L. Clapp, Ethel (Roseberry) Grimes and L. E. Hobbs, Manhattan.

1915—Ruth (Nygren) Deltz, Topeka; Laura (Falkenrich) Baxter, James W. Linn, Edie (Carp) Lynch and Ruth Hill Hobbs, Manhattan; Elizabeth (Dempe-wolf) Cummings, Concordia; Charles W. Shaver and Vera (Woody) Shaver, f. s., Salina; A. E. McClymonds, Lincoln, Neb.; William W. Haggard, Topeka.

1916—J. N. Chapman, Chappell, Neb.; Pearl (Jacques) Shields, Council Grove; Florence (Waynick) VanDeventer, Wellington; Ruth (Hoffman) Merner, New York City; Nelle Flinn, Admire; Zane Fairchild, Omaha, Neb.; Corinne (Myers) Gatewood, Caledonia, Ohio; Mildred (Bransom) Stuber, Winfield; W. E. Deal, Westfield, N. J.; Virginia (Layton) Orman, Tulsa, Okla.; Edmund F. Wilson and William P. Deltz, Topeka; A. M. Butcher, Tulsa, Okla.; Col. G. W. Fitzgerald, Ft. Sam Houston, Texas; Lucille (Maughlin) Garrison, Hutchinson; B. M. Anderson, Kansas City, Mo.; Lewis A. Williams, Hunter; Francis (Ewalt) Dalton, Sedan; Francis (Sweet) Johns, Goodland; Eva Lawson, Columbus, Ohio; W. H. Robinson, Lincoln, Neb.; Ruth E. Frush, Kansas City, Kan.; O. B. Burtis, Hymer; Orie W. Beeler, Des Moines, Iowa; W. C. Calvert, Keokuk, Iowa; J. H. Sharpe, Council Grove; Omar O. Browning, Linwood; Ray H. Whitenack and Verda (Harris) Whitenack, Olathe; Edith (Updegraff)

Stephenson, Wichita; Isla (Bruce) McClymonds, Lincoln, Neb.; A. E. Jones, Lincoln, Neb.; Ora M. McMillen, Topeka; Ralph C. Erskine, Washington, D. C.; Ruth (Hutchings) Engler, Onaga; Cora (Pitman) Signor, Effingham; R. J. Hanna, Mankato; Cecil (Miller) Wright, Salina; J. R. Mason, Scottsbluff, Neb.; Preston Hale, Topeka; Ralph V. O'Neil, Wellsville; Walter Ott, Ft. Morgan, Colo.; Paul B. Gwin, Junction City; John S. Wood and Fannie (Brooks) Wood, Clifton; Cecil Elder, Columbia, Mo.; P. C. McGilliard, Stillwater, Okla.; R. P. Schnacke, La Crosse; R. P. Ramsey, Osage City; Margaret (Schneider) Prideaux, Manhattan; Ida May Wilson, Kansas City, Mo.; A. A. Glenn, Amarillo, Texas; Vera (Kizer) Lowe, Osawatomie; Reah (Lynch) Muir, Ada Billings, Lillian (Lathrop) Bennett, Josie Griffith, Irl Fleming, Henry B. Bayer and Wilma (Burtis) Bayer, Grace (Currie) Howenstein, Phoebe (Lund) Caulfield, Manhattan; Murray Arnold, Newton; Fred Cromer, Kingman; Mary Alice (Gish) Lipper, Sterling; Harry Gunning, Washington, D. C.; Irene (Walker) Stovall, Peabody; W. L. Willhoite, Drexel, Mo.; Cleda (Pace) Adams, Belleville; Bess (Pyle) Springer, Tulsa, Okla.; Faith (Earnest) Soller, Washington; Grace (Lyons) Collier, Gates Mills, Ohio; Hilda (Harlan) Gray, Cheyenne, Wyo.; J. L. Lush, Ames, Iowa; Wilma (Van Horn) Mattson, Stanley Baker, Hazel (Goff) Robinson, Bess (Hildreth) Hunter, Vivian (Herron) Rutter, and Mable (Ruggles) Haggard, Topeka.

1917—Mabel (Botkin) McCall, Seneca; Everett S. Stephenson, f. s., Wichita; Merle (Beeman) Robinson, Lincoln, Neb.; Mabel (Root) Williams, Portland, Ore.; Ross B. Keys, Concordia; Stella M. Harriss, W. F. Pickett and G. A. Sellers, Manhattan.

1918—M. A. Durland, Manhattan.

1919—Mildred C. (Browning) Wilson, Topeka; Lola (Sloop) Keys, Concordia; Myrtle A. Gungelman, Manhattan.

1920—W. Carlton Hall, Coffeyville; C. J. Medlin and Alta Sarah Hepler, Manhattan.

1921—Ursula S. Senn, Buffalo, N. Y.; D. L. Signor, Effingham; R. W. McCall, Seneca; William H. Knostman, Wamego; Mable (Ginter) Schindler, Jewell; Hilary E. Mather and Esther (Curtis) Mather, f. s., Walsh, Colo.; Karl S. Quisenberry, Lincoln, Neb.; Faye (Powell) Nitcher and Charles Nitcher, West W. Serris, Salina; H. A. Stewart, Topeka; Fayette, Ind.; Irene (Graham) Gish, Lincoln, Neb.; Charles F. Morris, Wichita; Walter C. Marrs, Streator, Ill.; Bessie (Cole) Case, Wichita; Ira K. Landon, Merton L. Otto, Myra Scott, C. D. Davis, Elma (Stewart) Ibsen, Marguerite (Hammerly) Bock, Hazel D. Howe and Anna (Neal) Muller, Manhattan.

1922—A. D. Weber, Manhattan; C. C. Dethloff, Hatchitoches, La.; Ada (Songer) Landon, f. s., Manhattan; G. M. Glendening, Kansas City, Mo.

1923—W. S. Magill, Fanwood, N. J.; Henrietta (Jones) Darby, Manhattan.

1924—Faith (Martin) Hanna, Mankato; George Lingelbach, George Filinger and Kenney Ford, Manhattan.

1925—Florence (Harris) Walker, Marshfield, Mo.

1926—Goldie (Scarborough) Beck, Keats; Velma (Lockridge) McKee, Minneapolis, Minn.; Mary J. Herthel, Claf-lin; Ward W. Taylor, Springfield, Colo.; Ruth (Long) Dary, Manhattan; Katherine Welker, Carthage, Mo.; Lester W. Serris, Salina; H. A. Stewart, Topeka; Paul Brantingham, Fort Wayne, Ind.; Jennie (Fisk) Jevons, Wakefield; Margaret (Foster) Davis, Hutchinson; J. V. Eastwood, Dorothy (Girton) Chaney, Junction City; Ethel (Watson) Self, Grand Junction, Colo.; Mabel R. Smith, Kathryn (King) Chappell, Rachel (Herley) Frey, Esther Cornany, Louise (Wann) Harwood, Mrs. Etna Lyon and Miriam L. Dexter, Charles Stratton, S. A. McCracken, Bernard J. Conroy, Manhattan; Wayne Rogler, Matfield Green.

1927—V. D. Foltz, Manhattan.

1928—H. E. Myers, Manhattan; Dawn Daniels, Evanston, Ill.

1929—Ralph R. Lashbrook, Mary P. Van Zile and Christine Wiggins, Manhattan.

1930—Adelaide (Scott) West, Manhattan.

1931—Doris Prentice, Ada (Wiese) Scheel, Eleanor (Drummond) Hanna and Arla McBurney, Manhattan; Harold E. Trekel, Swampscott, Mass.; E. F. Peterson, Schenectady, N. Y.; Marvin G. Ott, Kansas City, Kan.; Mabel (Roepke) Trekel, Swampscott, Mass.; Herbert A. Immitt, Kansas City, Kan.; Loyola J. Miran, Lebanon, Mo.; Daisy F. McMullen, Salina; Miles George, Wichita; C. Wilbur Naylor, Hiawatha; Matilda A. Saxton, Topeka.

1932—James P. Chapman, Manhattan; Louise Davis, Nashville, Tenn.; Hilma R. Davis, Cottonwood Falls.

1933—Gaylord Munson, Junction City; Lois (Windiate) George, Wichita.

1934—Virginia Speer, Manhattan; Elizabeth (Scott) Shanahan, Denver.

1936—Ruth (Gresham) Gullfoll, Chicago; Jo Elizabeth (Miller) Hepperson, West Lafayette, Ind.; Alvin G. Ploger, Winsley; J. Warren Rowland, Rockford, Ill.; Dorothy Bacon, Sedalia, Mo.; Mildred (Chappell) Harold, Hal F. Eier, Alden V. Lester, Dorothy (Washington) Twiehaus and Karl Shoemaker, Manhattan; Ona Lee (Burson) Walser, Columbia, Mo.

1937—Marjorie Kittell, Topeka; Gladys Poole and George T. Hart, Manhattan.

1938—Wilma Marsh, Mt. Vernon, Mo.; Hazel Marie Scott, Sabetha, S. T. Freeman, Okmulgee, Okla.; Katherine (Taylor) Rowland, Rockford, Ill.; Thelma Harman, Ft. Jackson, S. C.; Elizabeth Lechner, Longford; Irene M. Wassmer, Manhattan.

1939—W. G. Speer Jr., Manhattan; Jean Glenn, Amarillo, Texas; Ruth McKenzie, Effingham; Mildred (Jackson) Freeman, f. s., Okmulgee, Okla.

1940—Marie (Foreman) Pallesen, f. s., Denver; Vivian E. Anderson, Kansas City, Mo.; Helen Peterson, Manhattan.

First '41 Life Member

Byron Kimble Wilson, '41, was the first senior in the 1941 class to become a paid-up life member of the College Alumni association. Byron majored in agriculture and expects to farm with his father, Bruce Wilson, '08, Keats, after he has completed his services in the United States army.

GRADUATE EMPLOYMENT IS GREATER THIS YEAR

MORE THAN 300 OF '41 CLASS
ALREADY ARE LOCATED

Many Trained in Fields Which Serve
Defense Industries Have Difficulties
Deciding Which Job
to Accept

With opportunities for employment better this year than at any time in the past decade, the recipients of degrees on May 26 are having little difficulty in finding suitable employment. In fact, the problem for many of them, particularly in fields which serve defense industries, is not of finding a job but of deciding which offer to accept.

Although complete figures are not available, a query by the College News Bureau brought an immediate response from several departments of more than 300 recent graduates already located in jobs.

VETS SURE OF JOBS

Typical of the demand for well-trained personnel was this report from R. R. Dykstra, dean of the Division of Veterinary Medicine:

"It is not possible to indicate exactly how our graduates will be employed. All of them, 61 in number, are assured of positions and they are waiting to determine which of the positions will best meet their plans. In general our graduates will accept positions with the United States Bureau of Animal Industry, with established veterinary practitioners, as teachers, research workers, and general practitioners of veterinary medicine. Some will accept commissions in the Veterinary Officers' Reserve corps for immediate active duty."

FAITH LISTS CANDIDATES

Prof. W. L. Faith, head of the Department of Chemical Engineering, reported that 30 of the candidates for degrees May 26 and at the end of summer school in his department have employment. The list includes:

J. Gilbert Brewer, Arkansas City, engineering department, E. I. du Pont de Nemours and company, Wilmington, Del.; Edgar Crowley, Kansas City, plate glass fellowship at Mellon Institute for Industrial Research, Pittsburgh, Pa.; C. A. Day, Ottawa, military explosives department, E. I. du Pont de Nemours and company, Wilmington, Del.

John J. Dooley, Parsons, Hercules Powder company, Wilmington, Del.; Warren G. Grubb, Phillipsburg, graduate assistant in chemical engineering, Iowa State college, Ames, Iowa; Thomas B. Haines, Manhattan, standards department, Dow Chemical company, Midland, Mich.; Harold Harris, Geuda Springs, Phillips Petroleum corporation, Bartlesville, Okla.; Earl C. Johnson, Coffeyville, Sinclair Refining company, East Chicago, Ind.

KEOGH WITH MONSANTO

W. T. Keogh, New York City, Monsanto Chemical company, St. Louis; Gerald A. Lake, Manhattan, Widener Construction company, Ft. Riley; Emory Levin, Lindsborg, General Chemical company, Chicago; George Packer, Manhattan, military explosives department, E. I. du Pont de Nemours and company, Wilmington, Del.

Willis D. Payton, Arkansas City, refining division, Phillips Petroleum corporation, Bartlesville, Okla.; Elmer J. Rollins, Manhattan, graduate student in chemical engineering, Kansas State College; John R. Romig, Bethany, Mo., Missouri Portland Cement company, St. Louis; P. J. Ruckel, Arkansas City, Kanotex Refining company, Arkansas City; Joseph P. Sacken, Kansas City, Sinclair Refining company, East Chicago, Ind.; Ralph E. Samuelson, Manhattan, graduate research assistant in chemistry, Kansas State College; E. H. Shade, Rantoul, nylon division, Du Pont Rayon company, Seaford, Del.; George Sklar, Manhattan, Westvaco Chlorine Products company, South Charleston, W. Va.; C. B. Sprague, Douglass, Socony-Vacuum Oil company, Augusta, Maine; National Lead company, St. Louis; Ralph T. Thomas, Independence, nylon division, Du Pont Rayon company, Seaford, Del.; Charles E. Webb, Hill City, Sharples Chemicals, Inc., Wyandotte, Mich.; Tom R. Woods, Burden, commercial explosives department, E. I. du Pont de Nemours and company, Wilmington, Del.; Frederick J. Gradihar, Ely, Minn., Westvaco Chlorine Products company, South Charleston, W. Va.; Morton Smutz, Manhattan, Monsanto Chemical company, St. Louis.

TEACHING JOBS FOR 41

Other departments reporting and the number of men placed include eight in agricultural engineering, 35 in electrical engineering, 54 in the Division of Home Economics and 41 teacher placements reported by the Department of Education. The 41 placed by the Department of Education include some duplications of persons whose names appear in the Home Economics list.

A complete list of all students who have jobs probably would exceed 400. Of the remaining 200, army service for the men and marriage for the girls eliminates many from the list of employables.

Agricultural Engineering: Forrest O. Beardmore, Manhattan, Soil Conservation service, Iowa; Millard Dilsaver, Athol, Soil Conservation service; Gustave Fairbanks, Topeka, instructor, Department of Military Science and Tactics, Kansas State College; Clarence A.

Frese, Hoyt, to assist in operating father's farms; Paul E. Harbison, Johnson, Soil Conservation service; Deno Huitt, Talmage, Widener Engineering company, Ft. Riley; Ralph Lipper, Sterling, rural service engineer, Kansas Power and Light company, Salina; Gerald T. Van Vleet, Danbury, Neb., Soil Conservation service.

MANY ELECTRICAL ENGINEERS

Electrical Engineering: Eugene Alford, Arkansas City, Union Electric company, St. Louis; R. C. Allen, Carthage, Mo., Commonwealth Edison company, Chicago; W. G. Bensing, Manhattan, United States army; C. W. Blackburn, Topeka, Phillips Petroleum corporation, Bartlesville, Okla.; J. T. Bradley, Sedan, Inland Utilities company, Sedan; H. M. Dimond, Manhattan, General Electric company, Schenectady, N. Y.; J. H. Frohn, Manhattan, Westinghouse Electric and Manufacturing company, East Pittsburgh, Pa.; R. K. Ghormley, Hutchinson, Automatic Electric company, Chicago; P. C. Hauber, Kansas City, United Light and Power service company, Davenport, Iowa; W. D. Helm, Manhattan, Century Electric company, St. Louis; E. B. Holland, Liberal, United Light and Power service company, Davenport, Iowa; G. A. Hoyt, Topeka, General Electric company, Schenectady, N. Y.; Paul Kewley, Stockton, Kansas Power and Light company, Hutchinson; G. W. Killian, Detroit, General Electric company, Schenectady, N. Y.; L. V. Kleppe, Everest, General Electric company, Schenectady, N. Y.; E. W. Leive, Brookville, Kansas Power and Light company, Topeka; M. W. Martin, Hutchinson, General Electric company, Schenectady, N. Y.

R. L. Meisenheimer, Hiawatha, R. C. A. Manufacturing company, Camden, N. J.; Joe Murphy, Chapman, National Geophysical company, Dallas, Texas; J. D. Musil, Manhattan, Westinghouse Electric and Manufacturing company, East Pittsburgh, Pa.; Eugene Nease, Concordia, General Electric company, Schenectady, N. Y.; J. E. Newachek, El Dorado, Commonwealth Edison company, Chicago; H. A. Peterson, Kansas City, Mo., Automatic Electric company, Chicago; R. A. Peterson, Jasper, Mo., C. C. A. Manufacturing company, Camden, N. J.; A. E. Smoll, Wichita, General Electric company, Schenectady, N. Y.; E. B. Tribble, Soldier, General Electric company, Schenectady, N. Y.; Dan Waggoner, Manhattan, General Electric company, Schenectady, N. Y.; R. B. Washburn, Manhattan, General Electric company, Schenectady, N. Y.; R. E. Weary, Junction City, General Electric company, Schenectady, N. Y.; A. M. White, Topeka, Century Electric company, St. Louis; D. K. Wilkin, Nortonville, Kenmatic Electric company, Chicago; Kenneth Yoos, Atwood, Westinghouse Electric and Manufacturing company, East Pittsburgh, Pa.; Howard Zeidler, Girard, graduate assistant, Massachusetts Institute of Technology, Cambridge, Mass.

PLACE HOME EC TEACHERS

Home economics teacher placements: Rena Bell, McDonald, vocational homemaking at Alton; Mary Alice Campbell, Concordia, vocational homemaking at Concordia; Marieta Delano, Hutchinson, home economics and mathematics at Osborne; Jane Dunham, Topeka, home economics and science at Robinson; Autumn Fields, McPherson, vocational homemaking at Smith Center; Helen Fleming, Ottawa, home economics and biology at Durham; Dorothy Howat, Wakeeney, home economics and biology at Delphos; Mary Elizabeth Kelley, Atwood, vocational homemaking at Caldwell; Helen Mae Lohmeyer, Newton, home economics at Burrton.

Ruth Martin, Kansas City, Mo., vocational homemaking at Kincaid; Marguerite Mason, Redfield, home economics at McPherson junior high school; Evelyn Moyer, Dodge City, home economics at Ellsworth; Vivian Rice, Greensburg, home economics at Coldwater; Alouise Roberts, Parsons, vocational homemaking at Gardner; Margaret Roseman, New Cambria, home economics and English at Olsburg; Ruth Elizabeth Salley, Silver Lake, home economics and science at Axtell; Margaret Schnacke, La Crosse, home economics and biology at Stockton.

Jean Scott, Manhattan, vocational homemaking at Hot Springs, S. D.; Manette Sexson, Goodland, home economics in Russell junior high school; Mary L. Stewart, Saffordville, vocational homemaking at Randolph; Elizabeth Titus, Cottonwood Falls, clothing at Augusta; Dorothy Van Tuyl, Basel, vocational homemaking at Saffordville; Vanora Weber, Caldwell, home economics and biology at Cheney; Blanche Winkler, Riley, home economics and biology at Beatrice; Evelyn Ernestine Yost, Downs, home economics at Oakley; Eleanor Harsh, Argonia, home economics at Jennings.

Other teaching positions: Marie Louise Brewer, Great Bend, grade school at Bazine; Lowell W. Clark, Waterville, music, band and orchestra at Ransom; Dale Gibson, Winchester, mathematics, science and coaching at Morrowville; Charles Horner, Abilene, band and orchestra at Phillipsburg; Joan Jackson, Eureka, coaching and physical education at Osborne; Miriam Moore, Hutchinson, English and history at Gatlinburg, Tenn.; Auriel Olson, Erie, mathematics in Erie junior high school; Gerald Riley, Concordia, science at St. Francis; Robert Roelfs, Bushton, mathematics and science at Madison.

VOCATIONAL AG TEACHERS

Vocational agriculture teachers: Wayne Colle, Sterling, agriculture and manual training at Denison; Emory Groves, Burlingame, vocational agriculture at Scandia; Doyle LaRosh, Mulvane, vocational agriculture at Mulvane; Ray Morrison, Larned, vocational agriculture at Alma; James Peddicord, Manhattan, vocational agriculture at Hanover; Merwin Stearns, Haddam, vocational agriculture at Longford.

Home economics students employed: Dorothy Axcell, Chanute, student dietitian, Michael Reese hospital, Chicago; Virginia Barnard, Belleville, student dietitian, Harper hospital, Detroit; Rena Bell, teacher of vocational homemaking, Alton; Betty Boehm, Manhattan, student dietitian, University of Oklahoma City; Oklahoma City; Frances Brooks, Norton, teacher of vocational homemaking at Osborne; Doris Carlson, Osage City, student dietitian, Latter Day Saints hospital, Salt Lake City; Jessie Collins, Dwight, Department of Home Economics, National Livestock and Meat board, Chicago; Betty Jane Curtis, McPherson, student dietitian, Lincoln General hospital, Lincoln, Neb.; Marieta Delano, Hutchinson, teacher of home economics and mathematics at Denison; Ruth Douglas, Coffeyville, student dietitian, Miami Valley hospital, Dayton, Ohio; Jane Dunham, Topeka, teacher of home economics and science, Robinson; Rachel Featheringill, Independence, home demonstration agent, Kansas State College; Autumn Fields, McPherson, teacher of vocational homemaking, Smith Center;

Helen Fleming, Ottawa, teacher of home economics and biology, Durham; Mary Guy, Longford, Farm Security administration; Eleanor Harsh, Argonia, teacher, Jennings; Dorothy Howat, Wakeeney, teacher, Delphos; Mary Kelley, Atwood, teacher, Caldwell; Caralee Laming, Tonganoxie, student dietitian, Alameda County hospital, Oakland, Calif.; Helen Lohmeyer, Newton, teacher at Burrton; Marjorie Newton, student dietitian, Johns Hopkins hospital, Baltimore, Md.; Ruth Martin, Kansas City, Mo., teacher, Kincaid.

Virginia Monahan, Leavenworth, student dietitian, Presbyterian hospital, New York; Ruth E. Morrow, Larned, student dietitian, Massachusetts General hospital, Boston; Evelyn Moyer, Dodge City, teacher, Ellsworth; Helen Pilcher, Gridley, student dietitian, University of Michigan hospital, Ann Arbor; Cheryl Poppen, Burr Oak, student dietitian at Scripps, La Jolla, Calif.; Alberta Pullins, Council Grove, home demonstration agent, Kansas State College; Clea Rambo, Paola, student in administrative course, University of Washington, Seattle; Ruth Ramsay, Beloit, Oregon State course, Emanuel hospital, Portland, Ore.; Vivian Rice, Greensburg, teacher at Coldwater; Alouise Roberts, Parsons, teacher at Gardner; Margaret Roseman, New Cambria, teacher at Olsburg; Ruth Salley, Silver Lake, teacher at Axtell; Margaret Jean Scott, Manhattan, teacher at Hot Springs, S. D.; Manette Sexson, Goodland, teacher at Russell; Kathleen Sheppard, Manhattan, St. Mary's hospital, Detroit; Mary Stewart, Saffordville, teacher at Randolph; Elizabeth Titus, Cottonwood Falls, teacher at Augusta; Dorothy Van Tuyl, Basel, teacher at Saffordville; Vanora Weber, Caldwell, teacher at Cheney; Blanche Winkler, Riley, teacher at Beatrice; Evelyn Yost, Downs, teacher at Oakley.

ENGINEERS FIND EMPLOYMENT

Civil Engineering: James Adams, State Board of Agriculture, Topeka; Emory Bond Jr., Magnolia Petroleum company, Dallas, Texas; Garland Childers, Magnolia Petroleum company, Dallas, Texas; Richard Dille, project engineer, Works Progress administration, Topeka; Aven Eshelman, CECO Steel Products corporation, Kansas City, Mo.; Clair E. Ewing, Phillips Petroleum corporation, Bartlesville, Okla.; William Gardner, Kansas State Highway commission, Topeka; Bill Geary, Widener Construction company, Ft. Riley; Carl Helm, Magnolia Petroleum company, Dallas, Texas; Kenneth D. Henry, Tennessee Valley authority, Knoxville; Paul Montgomery, United States Air base, Bermuda Islands; Walter M. Naylor, Kansas State Highway commission, Topeka; Melvin Scanlan, State Board of Agriculture, Topeka; John Sette, United States Civil Service commission, Langley Field, Va.; Lloyd C. Teas, Illinois Highway commission.

Agricultural economics and agricultural administration placements: DeWitt Ahlerich, farming at Winfield; Merton Badenhop, graduate assistant, Louisiana State university, University, La.; Edwin Betz, farming at Enterprise; James Booth, assistant county agent, Kansas State College; Edward Brenner, farming at Bazine; Lester Brown, United States army; Glenn Bussell, assistant county agent, Kansas State College; Wayne Colle, teaching at Denison; Lee Collinsworth, farming at Rosalia; Paul Danielson, farming at Lindsborg; Harold Fox, research in agricultural economics, Kansas State College; Reed Fleury, field man, Equitable Life Assurance society in Cedar Rapids, Iowa; Emory Groves, teaching at Scandia; Melvin Gruber, United States army; Doyle LaRosh, teaching at Mulvane; Milton Manuel, United States army; Ian McKenzie, United States army; Dale Moore, United States army; Ray Morrison, teaching at Alma; Kent Patton, teaching at Mulvane; James Peddicord, teaching at Hanover; Joseph Rosacker, grain business in Kansas City, Mo.; Tasker Sherrill, teaching at Neodesha; Frank Slead, farming at Neosho Rapids; Raymond Stewart, teaching at Centuria; Charles Streeter, Farm Security administration at Mount City; Fred Talbot, United States army; Orval Thrush, Nebraska Farmer, Lincoln, Neb.; John Weddle, teaching at Gardner; Mack Yenser, Producers' Commission company, Kansas City, Mo.; Albert Yoxall, Naval Air corps; Edward Zahn, teaching at Hill City.

Department of Architecture: Lawrence Bowdish, draftsman in Kansas City, Mo.; William Doty, draftsman, W. R. Holway, Tulsa, Okla.; John C. Foster, draftsman, W. R. Holway, Tulsa, Okla.; John Shaver, Charles W. Shaver, architect of Salina; John D. Sulton, H. R. Robertson, architect of Washington, D. C.; Edward Abernathy, United States engineer's office in Kansas City, Mo.; Dwight Brown, Boeing Aircraft corporation, Seattle, Wash.; Charles Kaiser, Libbey-Owens-Ford Glass company, Toledo, Ohio; Thornton Patton, United States engineer's office, Kansas City, Mo.; Elmer Schwartz, American Bridge company, Gary, Ind.; Galen Solenberger, Libbey-Owens-Ford Glass company, Toledo, Ohio; Robert Thornburrow, draftsman with Consolidated Aircraft corporation, San Diego, Calif.

Horticulture: Joe Cervera, small fruit experiment fields, Kansas State Experiment station; George Cochran, graduate assistant, Department of Botany

and Plant Pathology, Kansas State College; Walter Keith, second lieutenant, United States Army; Robert Mears, landscape architect for a nursery in Dallas, Texas.

AGRONOMY GRADUATES

Agronomy Graduates: Richard Atkins, scholarship, Iowa State college, Ames, Iowa; Paul Brown, United States Army; Orville Burtis, assistant county agent; Emerson Cyphers, assistant county agent; Dale Hupe, United States Army Air corps; Harold Jaeger, Navy Air corps; Herbert Johnson, farm; Lloyd Jones, research assistant, North Carolina State college; Roscoe Long, farm; Boyd McCune, United States Army; Albert Praeger, United States Army; Arden Reiman, farm; Henry Smies, research assistant, North Carolina State college; Paul Smith, Marine corps; Robert Wells, United States Army; Byron Wilson, United States Army; Don Crumbaker (1st sem.), assistant county agent.

Business Administration Graduates: Jack Banks, Winfield, Investment company, Winfield; Maurice Beichley, Westinghouse Electric and Manufacturing company, Pittsburgh, Pa.; Tarlton Caldwell, Shell Oil company, Alton, Ill.; Paul Clingman, Fuller Brush company, Manhattan; Betty Lou Davis, Continental Oil company, Ponca City, Okla.; Robert Hackney, Firestone Tire and Rubber company, Akron, Ohio; Richard Heaton, Coca Cola Bottling company, Norton; Norris Holstrom, Burroughs Adding Machine company, Topeka; Samuel Johnson, Firestone Tire and Rubber company, Akron, Ohio; Robert Kauffman, Sand-Con Construction company, Ft. Riley; Theron King, Stearnman Aircraft company, Wichita; Eloise Morris, Walter Morris and Son Building and Realty, Wichita; Isabelle Phelan, Federal Bureau of Investigation, Washington, D. C.; Vernon Plattner, Stanolind Oil company, Tulsa, Okla.; Harold Saum, Lybrand, Ross Brothers, and Montgomery, C. P. A., Rockford, Ill.; Thomas Trenkle, Kiehl's Summer theatre, Boothbay, Maine; Paul Puttloff, Stearnman Aircraft company, Wichita; Marjorie Spillman, Universal Credit company, Manhattan; Lloyd Starkweather, United Insurance company, Abilene; Harold Lemert, R. H. Eymann, Abilene, Arkansas City; Lawrence Davidson, Cessna Aircraft company, Wichita; Dudley Londeen, Dun and Bradstreet, Kansas City, Mo.; Richard Gray, McCormick-Mathers Publishers, Chicago.

GO INTO ARMY

In addition, at least 16 graduates of the course in business administration are expected to be called into the United States Army this summer. In this group are: First Lt. John Brock, Company F, First infantry, Ft. Leavenworth; John Bowers, David Breuninger, Carlton Cooper, Charles Joe Correll, Robert Dodge, Kenneth Graham, Robert Hackney, Warren Hornsby, Frank Lohberger, Glen Mueller, Bernard Nash, Max Oepman, James Paustian, Keith Schmedemann, Donald Wilkin.

Journalism Graduates: Frances Ruhl, Kiowa, Kan.; Katharine Chubb, assistant extension editor, University of Nebraska, Lincoln; Herbert Hollinger, managing editor, Manhattan Morning Chronicle; Don Makins, United States Naval Reserve Training station at Great Lakes, Ill.; Grant Salisbury, Flying Cadet, United States Army, Muskogee, Okla.; James Kendall, Manhattan Mercury; Walter Martin, United States Army.

ARNOLD AND WILLIAMS HEAD SUMMER COLLEGIAN STAFF

Board of Publications Awards Contracts for Royal Purples

Mary Margaret Arnold of Manhattan, sophomore, will be editor, and John Williams, Parsons, senior, will be business manager of the 1941 Summer School Collegian.

Miss Arnold and Williams, both journalism students, were appointed by the Board of Publications. Miss Arnold previously had been named editor of The Kansas State Collegian for the fall semester, beginning in September. Williams has been business manager of The Collegian during the past semester. The Summer School Collegian will be printed in the shop of the Department of Industrial Journalism and Printing at the College.

The board also awarded the Royal Purple, student yearbook, engraving contract to Burger-Baird Engraving company, and the photography contract for the 1942 book to the Studio Royal in Aggieville.

44 VARSITY ATHLETES AWARDED "K" LETTERS

FRESHMAN NUMERALS ARE GIVEN
TO 30 MEN

Athletics Council Approves Recognition
for Students Participating in Baseball, Track, Tennis, Golf
and Swimming

Varsity letters were awarded to 44 Kansas State athletes Monday by the College Athletics council. Freshman numerals were awarded to 30 other men.

Of the 44 "K" awards, 11 were varsity letters in baseball, 24 in track, five in golf and four in tennis. Freshman numerals went to 10 in basketball, eight in swimming, three in tennis and nine in track.

VARSIITY LETTERS

The varsity letter awards were:

Baseball—Ray Dunlay, Parsons; Kenneth Graham, Framingham, Mass.; Warren Hornsby, Topeka; Neil Hugos, Manhattan; Charles Kier, Mankato; Chris Langvardt, Alta Vista; Jim Prideaux, Manhattan; Norbert Raemer, Herkimer; Ray Rokey, Sabatha; Lee Doyen, Rice; Floyd Kirkland, Junction City.

Track—Don Adey, Wells; Louis Akers, Atchison; Don Borthwick, Beeler; Wilfred Burnham, St. Francis; Art Day, Ottawa; Ed Darden, Manhattan; Gilbert Dodge, Dighton; Les Droge, Seneca; Kent Duwe, Lucas; John Fieser, Norwich; John Garrett, Joplin, Mo.; Henry Haeberle, Clearwater; Thaine High, Abilene; Jim Johns, Manhattan; Sam Johnson, Oswego; Ken Makalous, Cuba; George Mendenhall, Belleville; Rufus Miller, Hiawatha; Loyal Payne, Manhattan; Richard Peters, Valley Falls; Merrill Rockhold, Herington; Wallace Swanson, Sharon Springs; Bill Thies, Marion; James Upham, Junction City.

Golf—Hall Millard, James Paustian and Arlin Ward, all of Manhattan; Richard Gorman, Hartford, Conn., and Willard Monahan, Leavenworth.

Tennis—Capt. Jack Horacek and Henry Bender, both of Topeka; Herbert Bunker, Junction City, and Vernon Plattner, Coffeyville.

FRESHMAN NUMERALS

Freshman numeral awards were: Basketball—John Borka and Leo Headrick, both of Kansas City; Marlo Dirks, Moundridge; Bill Engeland, Sterling; Bruce Holman, Powhattan; Frank Bruce and Fred Kohl, both of Kansas City, Mo.; Ken Messner, Arkansas City; Max Roberts, Chanute, and John St. John, Wichita.

Swimming—Ridge Scott and Harold Kalousek, both of Kansas City; Peter Ruckman, Topeka; Harvey Harakawa, Honolulu; James Leker, Manhattan; Philip Montgomery, Riverside, Ont.; Robert Peugh, Hoisington, and Albert Stone, Honolulu.

Tennis—Stewart Reed, Topeka; Myron Poveaux, Junction City; Charles Philbrick, Lincoln.

Track—Lawrence Chain, Haven; Max Grandfield, Manhattan; Robert Keith, Manhattan; Calvin Miller, El Dorado; Ernest Nelson, Scandia; Bill Payne, Manhattan; Albert Rues, Parker; Darren Schneider, St. Francis; Homer Socolofsky, Marion.

Cagers Plan Western Trip

Coach Jack Gardner has completed arrangements for four December games in Montana and Washington, which will comprise Kansas State's first basketball trip to the Northwest. The Wildcats will play the University of Montana at Missoula, December 22; Montana State college at Bozeman, December 23, and Washington university and Washington State college in Seattle December 19 and 20. Washington State, runnerup in the recent National Collegiate Athletic association tourney, will play in the Sugar Bowl in New Orleans, and Washington university will compete in Madison Square Garden.

McCampbell to Be Fair Judge

Dr. C. W. McCampbell, head of the Department of Animal Husbandry, has been asked to judge all breeds of draft horses at the Pomona, Calif., fair this fall. Doctor McCampbell plans to visit several agricultural experiment stations while on the West coast.

Kerchner Gets Summer Job

Prof. R. M. Kerchner of the Department of Electrical Engineering received a request recently from the General Electric company, Schenectady, N. Y., to report for summer work in the transformer department.

EVERYDAY ECONOMICS By W. E. GRIMES

"If trade stops or is checked, standards of living fall."

Why worry about our trade with other countries? Simply because it means economic well-being for many of our people if trade proceeds in a normal manner and distress and privation if it does not. In the modern world few people and no civilized nations produce all of the things needed to maintain their standards of living. The goods and services needed but not produced by the individual or the nation are secured through exchange or trade. If trade stops or is checked, standards of living fall, because goods produced in greater abundance than is needed by their producers pile up as surpluses and the goods normally obtained from others are not available.

To make the problem simple, why

should a teacher worry about exchanging, or trading his services to others; or in other words, why worry about having a job? Because if he does not sell his services, he cannot buy the goods and services which determine his well-being. His economic well-being will be jeopardized. But why not do something else? What else can he do so well? If past middle age, it is too late to enter another profession. He cannot change easily. Neither can the producer of goods for export change easily.

Loss of markets means hardship and loss of economic well-being. The issues involved are human values—not merely goods, services, and dollars. If the flow of goods is stopped, human values are affected.

THE KANSAS INDUSTRIALIST

Volume 67

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, July 30, 1941

Number 33

FACULTY AND STAFF CHANGES INVOLVE SOME 150 PERSONS

PRES. F. D. FARRELL ANNOUNCES LIST APPROVED BY REGENTS

Dr. Bernice Kuerth of the Department of Food Economics and Nutrition Goes to Washington on Leave

Faculty and staff changes involving more than 150 persons on the campus were announced this summer by Pres. F. D. Farrell, after action by the State Board of Regents.

M. L. Robinson, assistant professor of agricultural economics in the Division of College Extension, is transferred to the position of assistant professor and district supervisor in that division. Eugene J. Mackey, assistant professor in the Department of Architecture, resigned effective June 30.

ACCEPTS B. H. E. JOB

Dr. Bernice Kuerth of the Department of Food Economics and Nutrition is granted a leave of absence for one year, beginning September 1, to accept special appointment in the United States Bureau of Home Economics to work on problems of human nutrition and food habits in relation to national defense.

Faculty members who will return from sabbatical leave of absence and absence without pay about July 1 or September 1: R. F. Cox, associate professor of animal husbandry; E. L. Sitz, assistant professor of electrical engineering; H. M. Stewart, professor of economics and sociology; Miss Jennie Williams, associate professor of child welfare and eugenics; E. E. Leasure, professor of anatomy and physiology; M. C. Moggie, associate professor of education; R. F. Morse, assistant professor of civil engineering; R. J. Doll, instructor in agricultural economics; Hale Brown, assistant professor of education.

DEAN SEATON IS ON LEAVE

During all or a part of the year 1941-42 the following faculty members will be on leave of absence, without pay: G. H. Beck, instructor in dairy husbandry; Dean R. A. Seaton, engineering and architecture, as head of the national program of engineering training for defense in Washington, D. C.; D. C. Taylor, assistant professor of applied mechanics; A. O. Flinner, associate professor of mechanical engineering; F. W. Matting, instructor in mechanical engineering; M. J. Twiehaus, instructor in bacteriology; B. W. Beadle, assistant chemist; Annabel Garvey, assistant professor of English; M. J. Harbaugh, assistant professor of zoology; C. H. Kitzelman, professor of veterinary medicine; H. E. Stover, instructor in rural engineering; Miss Ellen Batchelor, assistant professor in extension; and John G. Bell, assistant professor of the Extension service.

During all or a part of the year 1941-42 the following faculty members will be on sabbatical leave: F. L. Parsons, agricultural economics, for advanced study at the University of Chicago; R. F. Cox, associate professor of animal husbandry, advanced study at Cornell university; Lyle W. Downey, associate professor of music, advanced study at the State University of Iowa; Miss Myrtle Günselmann, associate professor of household economics, travel and advanced study; E. E. Leasure, professor of anatomy and physiology, advanced study and professional experience; Miss Lora V. Hilyard, instructor in clothing and textiles in extension, advanced study at Columbia university.

HUDIBURG NAMED EXECUTIVE

Other changes:

Russell A. Nelson to be employed as temporary instructor in dairy husbandry during leave of absence of Instr. Glen H. Beck, effective September 1; Franklin Eldridge to be employed as graduate assistant in horticulture, effective September 1; John A. Johnson Jr., to be appointed assistant in milling industry, effective July 1; Prof. C. M. Correll, who

(Continued on last page)

Gets Defense Job

A. C. Hoffman, '26, has been named principal economist of the food section of the Office of Price Administration and Civilian Supply in Washington, D. C. Mr. Hoffman was formerly with the Bureau of Agricultural Economics of the United States Department of Agriculture and attended Harvard university.

HO-I PAI OF PEKING IS SELECTED FOR HOME ECONOMICS FELLOWSHIP

Chinese Coed Will Be Fifth to Come Here Under A. H. E. A. Plan

A Chinese girl from Peking will be among the Kansas State College coeds studying home economics next September. She is Ho-I Pai, whom the American Home Economics association has granted an international fellowship for the academic year.

Miss Pai was born in Amoy, seacoast city between Hongkong and Shanghai now held by Japanese, but her college work was in Yenching university, Peking, where Dr. Martha Kramer has been teaching since 1937.

Doctor Kramer was on the Kansas State College faculty, in the Department of Foods and Nutrition from 1922 to the fall of 1937, when she went to China.

Miss Pai was graduated from Yenching in 1934, after which she taught a year in an Amoy high school, then went to her alma mater as supervisor of the women's dormitory food service, the home management house and food laboratories. She comes to the College highly recommended by Doctor Kramer.

She will be the fifth Oriental woman to study home economics at Kansas State College. The first was Lily Lee, now Mrs. Patrick Wu, who is with her husband at the Mayo hospitals in Rochester, Minn. Doctor Wu has a fellowship in surgery there and Mrs. Wu is studying dietetics. Second was Jean Chen, now teaching home economics and chemistry in Hwa Nan college, in temporary quarters in the interior after forced removal from Foochow on the coast. Third was Shiga Namba, Tokio, now at the Tokio YWCA. Fourth fellow was Ruth Mo, Canton, on the campus 1940-41, who will go this fall to the Merrill-Palmer school, Detroit, for work in the nursery school field.



HO-I PAI

ENGINEERING DRAWING COURSE WILL OPEN HERE ON AUGUST 4

COLLEGE AIDS GOVERNMENT IN DEFENSE TRAINING WORK

Short Session to Run for 12 Weeks and Students' Fees Paid by Uncle Sam; Materials Inspection and Testing Project Is Scheduled

Kansas State College, striving to do its bit toward supplying men badly needed in defense industries, will open another session of a 12 weeks' defense course in engineering drawing on August 4. This will be the fifth engineering drawing course at Kansas State College under the national program of engineering training for national defense.

All fees for this and other defense short courses are paid by the federal government.

NEED 85,000 WORKERS

Engineers estimate that 85,000 skilled workmen will be needed within the next year in the aircraft industry. In order to meet this need the federal government has set up special courses at colleges to train both men and women.

Approximately 65 percent of the students graduated from the engineering drawing short course at Kansas State College during the past few months are working in the aircraft industry in Kansas. Many of the others are employed in other fields.

The engineering drawing course which will open August 4 is for students who are high school graduates with two years of mathematics, one unit of algebra and one of geometry.

TO OFFER MATERIALS WORK

Plans are being made to offer a second 12 weeks' session of the course in materials inspection and testing at the College under the engineering defense training program. The enrolment date probably will be about September 1. This course is offered to students with two years of college engineering credit, or to mature individuals with considerable experience who are high school graduates.

The object of the course is to provide training for inspectors to serve in the ordnance department, quartermaster, and air corps and in industry.

GIVE CHEMISTRY COURSE

Another course being offered is chemistry of powder and explosives. Enrolment for this course is open to students who have had two years of college chemistry. The course in materials inspection for highways and airports is open to students who have had one year of college training, including a course in trigonometry.

WEEK-LONG NUTRITION CONFERENCE DISCUSSES STATE'S DEFENSE AID

How can the health of Kansans be improved so as to strengthen the state's contribution to national defense? This is the problem being considered by 20 women from all sections of the state in a week-long conference here with members of the college Department of Food Economics and Nutrition and with extension nutritionists.

"The woman who feeds her husband and her children what they need to be vigorous and healthy, at what is for her income a reasonable cost, is performing as patriotic a service as is the person who is knitting for Red Cross," they declared.

Nine of the women who are to be key members in the coming nutrition-for-defense program are graduates of Kansas State College: Mrs. H. L. Ibsen (Elma Stewart, '21), Manhattan; Mrs. C. M. Slagg (Winifred Neusbaum, '14), Manhattan; Sara Jane Patton, '15, Hiawatha; Katherine Tucker, '12, Topeka; Mrs. W. M. Schroeder (Doris McVey, '38), Colby; Mrs. S. A. Giles (Alma Halbower, '14), Wichita; Mrs. Z. H. McDonnell (Neva Colville, '13), Wichita; Mrs. C. Merle Redfield (Carolyn

Hirt, '32), Dodge City; Mrs. Ruth Burns Gilbert, '14, Wichita.

Eight cities in Kansas will be centers for the nutrition education program being planned: Colby, Wichita, Dodge City, Pittsburg, Hiawatha, Manhattan, Topeka, Kansas City. Leaders from towns in the vicinity will be brought in to these eight cities for training and will then set up the program in their own communities.

This week's conference was arranged by Dr. Margaret M. Justin, dean of the Division of Home Economics, who was appointed by Gov. Payne H. Ratner last spring to head the state's committee on nutrition for national defense, and by Miss Hazel Thompson of the State Board for Vocational Education.

Women attending the sessions are getting the latest information as to nutritive values of different foods, requirements for a well-balanced diet, methods of preparing foods so as to conserve their nutritive values and the most approved ways of preserving foods. They are also discussing ways of setting up an effective nutrition education program in the different communities.

Summer Session Attracts 880

Final registration figures for the summer session showed that 880 persons were enrolled at the College. This was a decline of 55 students from last year's total of 935.

PROGRAM OF VARIED ATTRACTIONS IS PRESENTED AT SUMMER SESSION

Negro Singers, Ben Greet Players and Dr. A. E. Wiggam Visit the Campus

A quartet of Negro singers with their pianist, a trio of Shakespearean actors, a popular science lecturer, a famous Japanese social worker, a leader in consumer education and a cast of amateur actors were among the attractions brought to the campus this summer.

The Deep River Plantation singers on July 17 presented a varied program of spirituals, chants and numbers from such productions as "Green Pastures" and "Emperor Jones." They were received enthusiastically by the audience who crowded the College Auditorium.

The Ben Greet players were here June 10 to present excerpts from three Shakespearean dramas for a small but appreciative crowd.

Dr. A. E. Wiggam, lecturer and newspaper columnist, spoke July 7 on "Educating Ourselves for the New World." He pictured the social-minded scientist as the leader in building a new democratic world after the present holocaust.

Dr. Toyohiko Kagawa, Japanese Christian and social worker, told a Recreation Center audience on July 9 that religion furnishes the only way out of the present crisis. The lower animals and the insect world, he said, show that mutual assistance and co-operation are more common than conflict.

Colston E. Warne, president of Consumers' union and member of the Princeton university faculty, discussed the consumer movement July 14 in Recreation Center. He pointed out the need of some such publication as Consumers' Union Reports to present research findings as to competitive goods.

"Nick of the Plains," melodrama of the 1830's, was presented June 27 in the Stadium by the Department of Public Speaking in co-operation with the city's Coronado celebration. Prof. H. Miles Heberer was director and producer.

COLLEGE ALUMNI LOAN FUND RECEIVES GIFT OF \$1,000 FROM TWO K. C. MEN

William Volker and H. W. Luhnnow, '17, Give Money for Special Unit to Aid Students

The Volker-Luhnnow unit of the College Alumni Loan fund was increased by \$1,000 early this month with the addition of a \$500 gift from William Volker and a \$500 gift from Hal W. Luhnnow, president of the William Volker company, Kansas City, Mo.

The Volker-Luhnnow unit of the loan fund was started a year ago with a \$500 gift from each of the men. The unit now totals \$2,000.

William Volker for many years headed the nation-wide firm which deals in rugs, draperies, lighting fixtures and other home furnishings and decorations. Both Mr. Volker and Mr. Luhnnow live in Kansas City. Mr. Volker has long been known as a philanthropist. Mr. Luhnnow graduated from the College in 1917, is president of the Kansas State College Alumni association.

The Kansas State College Alumni Loan fund, which now totals more than \$81,000, gives financial assistance to more than 30 percent of the graduates of the College at some time during their College careers. More than \$62,000 is now out in loans and those in charge of the fund expect approximately \$15,000 more to be borrowed when students enroll this fall. Delinquencies in payment are few and losses are negligible, according to Dr. W. E. Grimes, chairman of the Loan fund.

'41 CLASS, WITH 819 MEMBERS, IS LARGEST RECORDED BY COLLEGE

DR. T. V. SMITH OF CHICAGO IS COMMENCEMENT SPEAKER

Degrees Include One Doctor of Philosophy, 52 Master's and 107 Bachelor's for Total of 160 This Summer

With the presentation of degrees to 160 individuals Friday night at the summer session commencement, the class of 1941 became the largest ever to be graduated from the College. A total of 819 persons received degrees during the year. The previous high of 806 degrees was during 1939.

At the summer session commencement, which was addressed by Dr. T. V. Smith, professor of philosophy at the University of Chicago, one doctor of philosophy, 52 master of science degrees were conferred. This total of 160 compared with 154 a year ago.

GENERAL SCIENCE HAS 41

The list of bachelor's degrees included 20 in the Division of Agriculture, 19 in the Division of Engineering and Architecture, 27 in the Division of Home Economics and 41 in the Division of General Science.

Discussing "Discipline in Our Democracy," Doctor Smith said that the immediate task for Americans to undertake is the "messy" task of protecting our institutions against the menace of totalitarianism. He said that in a democracy there were the disciplines of the scientist who sought to find the truth, the artist who wanted to capture beauty and the common man who sought to live a good life.

Doctor Smith, who has served in both the Illinois legislature and the federal Congress, said that politicians were the compromisers who prevented two factions of "good" people from tearing apart the fabric of our contemporary society. The politicians, he said, found the common, and therefore mediocre, factors in groups that believed they had nothing in common and then worked out a passable compromise.

Drew McLaughlin, Paola publisher, gave the regent's address.

NAMES OF GRADUATES

Those who received degrees last Friday night included:

Doctor of Philosophy: Willard Malcolm Reid, Monmouth, Ill.

Master of Science: Helen Ann Blair, Mulvane; Robert Woodbury Bray, Dodgeville, Wis.; Travis Epps Brooks, Manhattan; Burnell Howard Bulkster, Manhattan; William Boone Bunker, Topeka; Albert Ross Challans, Haledale; Christine Helen Coleman, Pine Bluff, Ark.; Eleanor Bertha Collins, San Antonio, Texas; Laura Pettice Davis, Lexington, Mo.; Genevieve Elizabeth Dziel, Clinton, N. Y.; Mabel Lillian Good, Manhattan; Frederick John Gradishar, Ely, Minn.; Wilda Marguerite Hay, Belleville; Elmer Frederick Herman, Elmo; Floyd Arthur Holmes, Prescott; Kenneth Bert Hoover, Detroit; Geneva Johnson, Frankfort; Dale Vincent Jones, Herington; Harold LeRoy Kugler, Manhattan; Frederick Lee McDonald, Horton; Arthur James Mattis, Valley Falls; Calvin Jourden Medlin, Manhattan; Merna Beatrice Miller, Kansas City; Ruth Lo Tak Mo, Hongkong, China; Raymond William Morrison, Keosauqua, Iowa; Joseph William Newman, Manhattan; Harry Bernhard Olson, Cuba.

Bachelor of Science: Waco, Texas; Clarence Andrew Pippin, Manhattan; Charles Morris Platt, Manhattan; William Joseph Promersberger, Littlefork, Minn.; Martha Gene Sheldon, El Dorado; Sister Rose Genevieve Downs, St. Louis, Mo.; Blaine Edmunds Sites, Salina; Robert Fred Sloan, Leavenworth; Edna Marie Smith, Kingman; Hester Smith, Manhattan; Frieda May Steckel, Virgil; Warren Edward Stone, Bazine; Evelyn Emma Stout, Lone Elm; Hilmar Clinton Stuart, Garrison.

Bachelor of Science in Agriculture: Charles Henry Adams, Wilsey; Dale Allen, Burlington; Clarence August Bechtold, Gaylord; Ralph Edwin Bonowitz, Meriden; Edward Francis Brenner, Bazine; Robert William Brush, Wichita; Joseph Celester Crofton, Kansas City; Thello Clarence Dodd, Linn; Paul Raymond Edwards, Meade; Virgil George Fulmer, La Harpe; Emory Allen Groves, Burlingame; Russell Carl Nelson, Falun; Preston Edward Oldersh, Omaha, Neb.; Lloyd Rueben Orrell, Peck; Joseph Clyde Short, Topeka; Edwin Milton Stearns, Haddam; Alvin Paul Timmons, Geneseo; Wilbur Waldo White, Garfield; William Howard Winner, Topeka.

(Continued on last page)

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WEDNESDAY, JULY 30, 1941

THE BATTLE OF NUTRITION

The Battle of Nutrition is on.

Thirty women who have been meeting for eight hours daily in Calvin hall these hot final days of July are the commissioned officers charged with planning the strategy in the campaign against malnutrition.

The field marshal is Dean Margaret M. Justin, appointed last December by Governor Ratter as chairman of the state committee on nutrition in relation to national defense. Serving on the committee are 16 others, men and women who are directly connected with health and nutrition—a pediatrician, the president of the state's medical association, the president of the state's dental association, a leader in the state Parent Teacher association, one active in the Farm Bureau, a college physician, a surgeon, heads of the home economics work in the different state colleges, the head of the State Board for Vocational Education.

Sobering sign of the lack of adequate preparedness on the nutrition front in the U. S. A. was the large number of young men who were refused entry into the army and navy because of physical defects traceable in part to improper diets.

These 30 women now meeting on the Kansas State College campus are unpaid volunteers in a campaign that has little dramatic appeal for the headline reader. But theirs is a vital role in the present "unlimited emergency."

If the dentists and the doctors, the civic clubs and the thousands of home economics trained homemakers of the state join forces with those now being trained on this campus for service in "the field"—not only the army and the navy but civilian life as a whole will be enriched.

BOOKS

A Book for the Curious

"Psychiatry for the Curious." By George H. Preston. Farrar and Rinehart, Inc. New York. 1940. \$1.50.

"Psychiatry for the Curious" is not a textbook in psychiatry or psychology. It was written for those who are curious about the more common functional disorders of personality. The main argument is presented in a humorous, simple style that educated laymen should readily understand.

All behavior is reasonable. Even abnormal mental behavior can be understood if man is seen not as a Cheshire cat or a headless horseman but as a living creature with both a body and a head doing "Something about Something." The "about something" may be (1) man's environmental situation, (2) his physical condition or (3) what he thinks and feels about himself and the people around him. Man can be no better than his physical endowment and the environmental situation will permit. But most of what he does "about something" is done about the discomforts of self criticism and the fear of criticism by other people. To avoid these discomforts in a world that is full of contradictions and false directions is no easy problem.

Man's worst objects of criticism are his own attitudes. This is unfortunate because his personality consists largely of personal attitudes toward such things as "grandmothers, dogs, money, men with gruff voices, bed bugs, blonds, spinach, war, honesty and the devil." Man

would like to preserve his personality status quo, but to keep other people from thinking he is different he must radically change and reorganize his attitudes with every such important change in his life as beginning school, the onset of adolescence, marriage, parenthood, and middle age. If he does not go through these transformations in his attitudes he will either have to do many abnormal things to drown out self criticism and keep other people from finding out how different he is or be "like Poe, Shelley, or Wilde, miserable and immortal."

For protection against self criticism and expected group criticism there are several abnormal behavior patterns, called defense mechanisms, which man may use. He may (1) go through life dodging reality by using his "stomach as a shield," (2) blame the cat (or any one else) for his own failures, (3) "retire unto himself" and live a turtle existence, (4) whistle loudly to divert the attention of other people and to avoid the discomforts of observing his own weaknesses, (5) make public confessions of guilt and express suffering, (6) fill the gaps produced by structural disorders with confabulations and delusions and (7) use such crutches as alcohol, drugs and membership in secret orders.

The book describes the incubation of the foregoing defense mechanisms into such mental diseases as hysteria, paranoia, dementia praecox, and manic-depressive insanity. It also presents some common sense principles of psychotherapy. All this, in brief, constitutes the main outline of the argument in "Psychiatry for the Curious."

To some readers this book may seem rather ordinary. In places the discourse is too simple and the humor almost betrays the writer as a medical doctor who is given to plain spoken wise-cracking. The whole treatise may be criticised by the professional man for oversimplification.

But there is real merit in "Psychiatry for the Curious." In the main the book is, in a common sense manner, psychologically sound. One finds many real flashes of insight into human nature, keen penetrations into human motives and a sense of humor that carry the reader along. It should be very helpful to intelligent laymen who wish to understand and correct bad personality trends. It would be difficult for even the psychoneurotic not to be amused and objective-minded in observing the pictures of their own personalities as Prescott has painted them.—O. W. Alm.

VISITING DAVID FAIRCHILD

Anyone who spends a day with David Fairchild knows he has been somewhere. In the first place, if he is an amateur as I am, at the plant business, his cells have to stretch a good deal as well as his legs. For no one knows all the warm areas of earth and their flora more intimately. Every tree he stops under, every bush he reaches out a hand to, draws on a forest, a plain or a garden never heard of by the uninitiate. These are his children. He plucked the seed or the cutting, perhaps after a long and intelligent search; he packed it and nursed it through a long voyage and set it out where it now lives in more or less glorious vigor. This Florida country is one big mass of Fairchild children; and, like humans, only a few are good and useful; many are not particularly ornamental even; and there are those which have escaped to the waysides, the fields and the glades and are a positive nuisance.

We reminisced a little. One of our experiences together, which had gone on for years with many incidents and complexities, was the attempt to get away from the War department a piece of land at Chapman Field on the road to Homestead. We knew, and the War department knew, that to the air force it was useless. There were other fields which were expandable to modern size and this was not. We wanted that hundred or so acres for an addition to our Plant Introduction garden. I was then a Department of Agriculture official and the agent through whom the determined Fairchild had to work. I had finally become so annoyed with the generals that I had gone to my friend the secretary of war. He had wholly agreed and he had tried too to get this bit of tropic soil transferred. But he couldn't. There didn't seem to be any reason why, but he just couldn't. By that time my annoyance had become a down-right determination to get

SCIENCE TODAY

By WALTER J. PETERSON
Assistant Professor, Department of
Chemistry

To the nutritionist who has followed the history of the search for the so-called essential food factors, now known as the vitamins, nothing seems more remarkable than the truly astounding progress of the past decade. Though reports of much valuable ground work appeared from many laboratories in the years preceding, the facts, sometimes cloaked in generalities, appeared but haltingly when compared to the "blitzkrieg" fashion with which discoveries followed one another with the start of the past decade. One by one the vitamins were classified and properly placed, their chemical structures were determined, methods of isolation were improved, their specificity in the cure of certain syndromes was established and finally in most cases the vitamins themselves were produced in crystalline form in the laboratory by synthetic methods.

Most striking, perhaps, have been the developments in the clarification of the vitamin "B-complex." The final separation and identification of its parts were made extremely difficult by the fact that the chick and the rat receiving diets devoid of certain members of the B complex, developed pellagra-like syndromes suggestive of pellagra in humans. Nutritionists held stubbornly to the idea that these deficiency diseases were the result of a single deficiency. It was some time before it was realized that they were caused by the lack of three distinctly different chemical entities.

We know now that pellagra in humans is cured by nicotinic acid, rat "pellagra" by pyridoxine (B₆), and the pellagra-like syndrome of chicks by pantothenic acid. A less-known vitamin, recently discovered, which has received but little recognition, except in scientific journals, is vitamin H.

It has been known for some time that rats fed dried egg white as a source of protein soon develop a pellagra-like disorder characterized by an exzematous dermatitis, alopecia, edema of the feet and, in severe cases, skin hemorrhages. The chick, rabbit and monkey also develop this characteristic dermatitis when fed

diets rich in egg white. The disorder can be prevented by including in the diet such foods as milk, beef or pork liver, yeast, egg yolk, casein, cabbage or spinach. Liver is effective when present in the diet in amounts equivalent to one-fourth of the egg white. If the egg white is cooked before drying, or heated at 100 degrees C. for a few minutes, the toxicity is completely lost.

Questions which confronted early workers in this field are the same as those which might occur to anyone. Are we dealing with a property of native egg white or is it a property developed by desiccation? Does the injury involve a positive toxicity or the absence of a protective factor or both? Does cooking egg white remove the harmful factor or create a protective factor? It was soon shown that the tendency to produce the pellagra-like condition was a property of native egg white and that this toxic factor was destroyed by cooking with no resulting development of a protective factor.

Researches of the past five years have culminated in the successful separation from liver of a potent fraction which will neutralize the toxic effect of egg white. This is vitamin H. During the past year it has become evident to workers in this field that the properties of this vitamin are similar to those given in the literature for biotin, a yeast growth factor, and coenzyme R, a growth and respiration factor essential for many strains of the legume nodule organism, *Rhizobium*. That these are one and the same now seems fully established.

Vitamin H seems to be a growth essential for many bacteria, and will doubtless prove to be of fundamental importance in bacterial nutrition.

The injury due to egg white has been shown to be due to the action of egg white in making vitamin H unavailable. This vitamin H-inactivating capacity of egg white has actually been demonstrated *in vitro*.

Progress has been made in the separation of that fraction of egg white which inactivates vitamin H. This fraction is known as the "avid-albumin" fraction. Egg white injury may now be explained by the unavailability of vitamin H because of its fixation to avidalbumin.

and the largest since 1925, the summer school graduating class totaled only 126. There were 78 bachelor's degrees and 48 master's degrees granted at the summer exercises.

Myrtle G. Gohlke, '30, resigned her position with the YWCA in Topeka and accepted a position with the YWCA, Highland Park branch, Detroit, Mich.

Merton E. Paddleford, '20, of Oak Park, Ill., was secretary to the chief electrical engineer of the Public Service company of northern Illinois.

TWENTY YEARS AGO

Dr. William M. Jardine, president of the College, was appointed to membership in the National Research council and also was made a member of the executive board for two years.

Ernest Fox Nichols, '88, former president of Dartmouth college, was inaugurated as seventh president of the Massachusetts Institute of Technology. Doctor Nichols, who won world-wide fame in science, was graduated from Kansas State College when 19 years old.

Vernon Bundy, '20, was appointed assistant secretary and publicity man for the Topeka Chamber of Commerce.

THIRTY YEARS AGO

Elizabeth Cassel, '09, who had been teaching domestic science in the University of New Orleans, returned to Manhattan to spend the summer vacation at her home.

W. O. Peterson, '97, was graduated with first honors from the Kansas City Theological seminary.

Margaret Justin, '09, was teacher of domestic science and household manager in a Methodist missionary school near Clarkson, Miss.

FORTY YEARS AGO

Prof. Charles L. Marlatt, '84, formerly of Manhattan, first assistant entomologist in the United States Department of Agriculture, was in

China on work connected with that department.

Edward H. Webster, '96, resigned his position as assistant in dairying at the Iowa State college to accept one with the Continental Creamery company, Topeka.

Ivy F. Harner, '93, was a teacher of domestic science, Louisiana Industrial institute.

FIFTY YEARS AGO

C. A. Campbell, '91, left for Topeka where he was to work in the general offices of the Santa Fe railway.

W. T. Swingle, '90, in government employment in Washington, D. C., was ordered to Georgia to assist Professor Smith in investigating the disease, "peach yellows."

Phoebe Haines, '83, was professor of industrial art in the Agricultural college of Las Cruces, N. M.

SIXTY YEARS AGO

At the meeting of the Alumni society toasts were presented by Regent Wood, President Fairchild, Sam Kimble, '73; Miss Nellie Sawyer, '76; H. C. Rushmore, D. S. Leach, '81; and J. A. Anderson.

Professor Ward was attending the alumni gathering at his alma mater, Hamilton college, Clinton, N. Y.

Professor Shelton attended the meeting of teachers of agriculture and horticulture at Lansing, Mich. From there he went to Canada and New York to see certain noted herds of Angus cattle.

SUNFLOWERS

By H. W. Davis

OPEN LETTER

TO FOUR MEN ON EARTH

Dear Sirs:

There never before was a time in all my millions and millions of years when my whole surface was so much at the mercy of four individuals—meaning you. What you do in the next year or ten is going to make a lot of difference to the other two billion human creatures running around over my exterior for the next two or three centuries.

Of course, being the World, I can hardly go into the merits of the squabble you are having. I sort of have to be neutral whether I feel like it or not. Maybe I should stand aloof to the extreme of keeping my mouth shut, but somehow or other I suspect that when four people get hold of the comfort, and maybe the destiny, of two billion—that's five hundred million a piece, boys,—it's time for me to utter a word of caution.

Taking my dizzy career millennium by millennium I have been pretty well satisfied with the way human beings have carried on since they took over. They have learned a lot of tricks and wangled much power (from me) for themselves. Until lately their tricks and powers, which they call civilizations or ideologies, have been kept pretty well scattered, both in time and space. But recently scientific advance in transportation and communication has just about eliminated time and space. The whole two billion are treading on each other's toes in a fashion I never dreamed of, and the way they are getting in each other's hair is alarming me no end.

Consequently I want to ask you four fellows to look at the situation as I have to look at it, and remember that the present hold you have on human destiny is a truly terrible thing. It should scare the daylight out of you instead of filling you with a boyish pride in your temporary importance. (All human importance is temporary as I see it.) Go easy—and prayerfully, please!

As I said, I have been pretty well satisfied with the way man has conducted himself—up to now. He surely has done much better than those monstrous, over-size reptiles I tried out once. They somehow couldn't adapt themselves to things. Their horrible individual ferocity was what finally sunk them, I think.

Understand, please, I am not arguing for a compromise—a silly patching-up of affairs until the next generation wants to fight over the same playthings. (Man made that little error 22 years ago.) Fight and think this war out until some scheme is evolved whereby all races and all nations can be decent and neighborly. What with instantaneous radio and 500-mile-an-hour airplanes, you will have to be kindly from now on, or I may have to call back those ugly reptiles for another million years.

Urgently yours,
THE WORLD

MARRIAGES

HILL—NIEMOLLER

Viola Hill, H. E. '41, was married June 15 to Walter W. Niemoller, Ag. '36. They live on a farm near Wakefield.

VISSER—QUANTIC

The marriage of Gladys Visser and Galen Quantic, Ag. '30, M. S. '32, was June 11 at the home of the bride's parents in Riley. They are living at Riley.

COOPER—MCDONALD

The marriage of Hildred Ann Cooper, H. E. '35, to Frederick L. McDonald, G. S. '38, was May 29. They are at home at 1319 Rowland avenue, Kansas City, Kan.

HOBBIE—KAUFMAN

Marcella Hobbie, H. E. '40, and Leo A. Kaufman were married May 21 at the Zion Lutheran church, Tip-ton. They are at home at Dorrance, where the bride taught last year.

GASTON—GREER

The marriage of Marjorie Gaston to Wilbert Greer, Ag. '41, took place May 31. Mr. Greer has purchased a farm at Council Grove and the young people will make their home there.

KENDIG—CHARLES

Marriage vows were read for Jean Shirley Kendig and Donald E. Charles, Ag. '39, May 14. Mr. Charles, a member of Delta Tau Delta fraternity, has a farm at Republic, where they will live.

STEINHEIMER—MALL

Marriage vows for Elizabeth Ann Steinheimer, I. J. '41, and Richard Merrill Mall, I. J. '40, were read June 14. Mr. Mall is associated with KSAL radio station in Salina. They are now at home in Salina.

MAXWELL—EDWARDS

Edna Maxwell, H. E. '32, and Thornton Edwards, G. S. '41, principal of Bluemont school in Manhattan, were married June 7. They are now at home at the Maryland apartments, 521 Osage, Manhattan.

SPEARIE—LARSON

Married May 8 were Susan Spearie and George H. Larson, Ag. E. '39, M. S. '40. Mr. Larson is an assistant in the Agricultural Engineering department at the University of Wisconsin, Madison, Wis. They live at 1705 Monroe street.

FLOWER—PHILPY

Mary Jane Flower, f. s., and Dr. B. Doyle Philpy, D. V. M. '40, were married May 28 in the Trinity Episcopal church, Boston, Mass. Doctor Philpy is now employed at the Angell Memorial Animal hospital, Boston. Their home is at 180 Longwood avenue.

FINNEGAN—FREY

Mary Elizabeth Finnegan and Charles F. Frey, C. '38, were married June 18. Immediately after the ceremony, they left on a trip to Monterey, Mexico, and are now at home at 825 East Ashby, San Antonio, Texas, where Mr. Frey is with the War department.

DIGGS—GARINGER

The wedding ceremony of Lois Diggs and Jess Garinger, M. E. '40, was June 16. The bride has for the past several years been employed as secretary in engineering extension work. Mr. Garinger is employed by the Dow Chemical company, Midland, Mich. The couple are at home at 1800 Ninth, Bay City, Mich.

WOODS—GRUBBS

The marriage of Mabelle Woods, H. E. '38, and Thomas E. Grubbs was solemnized June 1. The bride, a member of Zeta Tau Alpha sorority, has been teaching in Marion and Abilene since her graduation. They are at home in Newton where Mr. Grubbs is an employee of the Santa Fe Railroad company.

ROBBINS—TEMPLER

The marriage of Lucille Robbins to Lt. Woodrow W. Templer, G. S. '36, was June 8. The bride was graduated from Southwestern college, Winfield, and has been teaching the past two years in the high school at Marion. Lieutenant Templer is an

officer in the Coast Artillery corps at San Diego. They are at home at 327 Grovella, La Jolla, Calif.

HAEGE—BARR

The marriage of Olive Grace Haege, H. E. '29, to Edward Barr took place in Beirut, Lebanon, Syria, May 9, just before they sailed for home. Their home is in Boston. They have been on the faculty of the college in Beirut several years.

HOLLAND—SMITH

Anita Holland, H. E. '30, was married to Lt.-Com. Jesse H. Smith of the Royal navy on May 3. The wedding took place at the St. Matthews Anglican church in Ottawa, Ontario, Canada. They hope to remain there, since her husband is technical adviser for the ordnance department at the naval service headquarters.

MURDOCK—SNYDER

Martha Murdock, f. s., and Don A. Snyder, Ch. E. '40, were married May 31 in St. Paul's Episcopal church, Manhattan. Immediately after the ceremony, they departed for Boston by way of Canada. Their home is at 250 Austin, West Newton, Mass. Mr. Snyder is consulting engineer for Thompson and Lichtner in Boston.

LESHOSKY—BOYLES

Dorothy Leshosky and Glen Boyles, Ag. '36, were married May 30 by the Rev. J. David Arnold in Manhattan. Mrs. Boyles has been employed for the past several months in the federal accounting and AAA offices. Mr. Boyles is employed by the State Board of Health as sanitation inspector in Manhattan. Their home is at 1708 Humboldt, Manhattan.

RUST—STONE

Roberta Rust, H. E. '39, and Billy Neil Stone, C. '39, were married June 15 at the First Methodist church, Manhattan. Since graduation, the bride, a member of Kappa Kappa Gamma sorority, has taught home economics in the Robinson high school. Mr. Stone is business manager of the hospital at Horton, where they live. His fraternity is Sigma Nu.

ANDERSON—MILLER

Madeline Anderson, M. Ed. '40, married John Miller, Ag. '34, on May 31. Their home is at 1708 Humboldt, Manhattan, where Mr. Miller is extension plant pathologist at Kansas State College. The past year Mrs. Miller was English and music instructor in the Alta Vista school. She is a member of Chi Omega sorority and Mr. Miller belongs to the Farm House fraternity.

CORRELL—COSBY

Kathryn Correll, G. S. '37, became the bride of Harley Cosby of Aurora, Ind., June 24 at the home of her parents, Prof. and Mrs. C. M. Correll, Manhattan. The couple live in Norton, where Mr. Cosby is field executive of the Boy Scouts of America. He attended the University of Indiana and received his degree from the University of Cincinnati. The bride is a member of Delta Delta Delta sorority. Since her graduation, she has taught history in the high school at Norton.

PENNY—LORENZEN

Charlotte Penny, I. J. '36, became the bride of John Carl Lorenzen June 2. Last year after she had taken a year of postgraduate work in applied art at Kansas State College, she was awarded a scholarship from Phil Moore's Institute of Art, Philadelphia, where she majored in interior decorating. Mr. Lorenzen attended Northwestern university and is now sales manager with the Worthington Pump and Machinery corporation, Chicago. Their home is at 326 East Twenty-Ninth street, Davenport, Iowa.

ANDERSON—PFUETZE

The wedding of Dorothy Constance Anderson and Dr. Karl Pfuetze, G. S. '30, was June 7 at the home of the bride's parents in Duluth, Minn. They are now at home in Cannon Falls, Minn., where Doctor Pfuetze is superintendent and medical director of the Mineral Springs sanatorium. Mr. Pfuetze received his doctor's degree from the University of Kansas school of medicine in 1934. He spent a year at the Gorgas United States hospital in Panama and was University of Kansas' representative as exchange student at Leipzig university. His work since has been in Minnesota.

LOOKING AROUND

KENNEY L. FORD

Now 1,068 Paid-Up Members

There are now 1,068 paid-up life members in the Kansas State Alumni association. The following have become paid up since April 12, 1941, and have been mailed their free copy of Doctor Willard's history of Kansas State College:

Lester R. Chilson, '33, Oberlin; T. M. Evans, '30, Kansas City; Joye Ans-dell, '32, Norton; Keith Harrison, '40, Arlington, Va.; Edwin Winkler, '21, Hollywood, Calif.; Grace Helen Dun-lap, '40, Woodston; Robert H. Per-rill, '26, Clay Center; Byron K. Wil-son, '41, Manhattan; Paul C. Milner, '91, and Madeleine C. Milner, '91, Mt. Dora, Fla.; Foster A. Hinshaw, '26, and Stella (Baker) Hinshaw, '31, St. Albans, N. Y.; F. G. Gillett, '40, Ft. Riley.

Vera Ellithorpe, '35, Manhattan; Oscar W. Park, '17, Ames, Iowa; Harold B. Harper, '32, Newton; Charles E. Mitchell, '39, Urbana, Ill.; Floyd W. Berger, '40, Washington, D. C.; Florence Lovejoy, '39, Ells-worth; Irving C. Root, '12, Chevy Chase, Md.; Fred Masek, '28, Long Island, N. Y.; Warren C. Jackson, '39, Denver, Colo.; Helen E. Dean, '28, Columbia, Mo., and Karl G. Shoemaker, '36, Manhattan.

Summer Alumni Meetings

A few summer alumni meetings are being scheduled for August and September. These meetings will be attended by Kenney Ford, '24, alumni secretary. New colored movies of the campus and the recording of Kansas State College songs will be used.

Fargo, N. D.—Kansas State alumni living in North Dakota will be invited to meet on the North Dakota Agricultural college campus either August 9 or 10 by J. A. Munro, M. S. '25, chairman.

Bozeman, Mont.—An alumni dinner at the Gallatin Gateway inn at 6:30 p. m. August 12.

Tentative arrangements have been made for an alumni picnic at Brook-ings, S. D., August 2 or 3, and a meet-ing near Salt Lake City August 23 or 24. Colorado alumni are planning to meet somewhere in the mountains late in August.

An all-western Kansas barbecue is being planned to be held at the State lake near Scott City August 31 and a Kansas City area picnic for Sep-tember 7.

Alumni in Indiana Meet

Kansas State College and Uni-versity of Kansas alumni in Indiana met for a picnic at Tippecanoe battlefield, north of La Fayette, June 15.

Kansas State alumni among the picnic group were Merle W. Bloom, '27, La Porte, Ind.; Leila (Kent) Black, '17, Chemawa, Ore., and many others who live in La Fayette.

Most of these in La Fayette are connected with Purdue university: Lois Oberhelman, '30, M. S. '38; Eunice Christenson, '40; E. R. Honey-well, '26, and Georgia (Crowl) Honeywell, f. s.; George V. Mueller, '24; Inez E. Kent, '17; Charles Nitch-er, '21, and Fay (Powell) Nitcher, '21; F. C. Lewis, '13; J. F. Bullard, M. S. '30; Seibert Fairman, '19, and Jewell (Sappenfield) Fairman, '20; Vianna (Dizmag) Bramblett, '29; A. H. Bush, '22; W. P. Albright, '30; A. M. Brunson; A. A. Potter, Dr. Engrs. '25, and Eva (Burner) Pot-ter, '05, and J. H. Karr, '30.

Southern California Picnic

The following report of the South-ern California summer picnic was sent in by A. D. Holloway:

"The alumni and former students of Southern California held their summer picnic at Brookside park, Pasadena, on Saturday afternoon, June 28. Featured on the program were talks by Ralph Smith of the personnel department of the Vega Aircraft company and Alfred A. Grant, '17, who served as a squadron commander in France in the World war. Mr. Smith told of the rigid re-quirements for employees in the air-craft industry and Mr. Grant read original reports of members of his squadron who had engaged in com-bat.

"A film showing campus scenes, sent by the College Alumni associa-tion, was greatly enjoyed. Older alumni who had not recently visited

the campus were surprised at many of the changes.

"Officers elected for the next year were Tony Whan, president; John Davidson, vice-president; A. D. Hol-loway, secretary-treasurer. Californ-ians present at the meeting in-cluded:

"Olive Flippo, '27, Boyd F. Ag-new, '20, and Gladys (Flippo) Ag-new, '21, Alhambra; J. G. Chitty, '05, Altadena; Neal D. Bruce, '24, Bur-bank; Edythe (Brennan) Burgett, f. s. '14, El Segundo; Ellen Hanson, '07, Edward H. Marxen, f. s. '10, Vera (Holloway) Downing, '09, and Clyde C. Downing, John F. Davidson, '13, Mrs. Davidson and their son, Jack, Glendale.

"George R. Hewey, '21, Glendora; Mabel (Groome) Tefteau, f. s. '05, Hawthorne; Ethel (Clemons) Nicolet, '05, and William H. Nicolet, Hol-lywood; Doris (Train) Stewart, '06, Huntington Park; Albert E. Siler, '34, and Cornelia (King) Siler, '37, Inglewood.

"Phoebe (Smith) Romick, '97, La Verne; Margaret (Bane) Cox, '23, Lucie (Wyatt) Wilson, '01, Alice Allingham, f. s. '91, Minnie Romick, '94, Mary Collier, '05, Mary E. L. Hall, '04, Alfred A. Grant, f. s. '17, Fred J. Griffing, f. s. '02, Sarah (Thompson) Manny, '03, Frieda Ploger, '39, W. Dean Abrahams, f. s. '37, H. C. Jennings, '23, B. F. S. Royer, '95, Homer Derr, '00, and Elizabeth (Asbury) Derr, '00, Grant G. Miller, '33, and Mildred (Shaw-ner) Miller, f. s., Alfred C. Smith, '97, and Mary (Waugh) Smith, '99, F. W. Milner, '15, and Mrs. Milner, V. E. 'Tony' Whan, '22, and Dorothy (Nelson) Whan, f. s. '23, all of Los Angeles.

"Josephine (Finley) Blain, Mon-rovia; Jesse A. Craik, f. s. '02, Nee-dles; Harvey Hubbard, '07, F. Pearl Hoots, '21, Lelia Whearty, '18, Ruth (Whearty) Maupin, '23, and Alfred Maupin, H. L. Pellet, '93, and Carrie H. Pellet, C. Beauford, Elizabeth and Ivan Pellet of Pasadena; Frieda (Marty) Pratt, '05, Long Beach; Sophia (Maelzer) Shaner, '14, Por-terville; Margaret Ploger, '39, San Luis Obispo; Harry Baird, '11, and Ena (Beaulieu) Baird, f. s. '12, Santa Barbara.

"Edythe (Groome) Bartley, f. s. '15, Ralph B. Smith, '13, and Mrs. Smith, Van Nuys; F. B. Mayer, Wal-lace N. Birch, '04, A. D. Holloway, '07, and Margaret (Cunningham) Holloway, '08, Lathrop W. Fielding, '05, and Crete (Spencer) Fielding, '05, Raymond C. Thompson, '08, and Grace (Hull) Thompson, '09, Whit-tier; Helen (Hockersmith) Rockoff, '14, Venice.

"Margaret Crawford, '39, of Hugo-ton, Kan., was a guest at the picnic."

EIGHT STUDENTS SELECTED

AS PHI KAPPA PHI MEMBERS

Five Enrolled in Graduate Study, While Three Chosen from General Science

Three students in the Division of General Science and five graduate students were elected this summer to the College chapter of Phi Kappa Phi, honorary scholarship society.

The new members include:

Division of General Science—Reva Alma King, Council Grove; Frances Ruhl, Hiawatha, and Aubrey Thorn-ton Edwards, Manhattan.

Division of Graduate Study—Dale Vincent Jones, Herington; C. J. Med-lin, Manhattan; Raymond William Morrison, Keosauqua, Iowa; Clarence Andrew Pippin, Decatur, Ill.; Hilmar Clinton Stuart, Garrison.

Former Collegian Editor Weds

Richard S. Haggman, student in journalism at the College from 1934 to 1937 and a former editor of The Kansas State Collegian, was married July 19 to Marian Louise Pehle. The ceremony was in the First Presby-terian church of Omaha. The couple will live at 4800 Jefferson, Kansas City, Mo. Mr. Haggman is director of publicity for the Kansas City, Mo., Chamber of Commerce. Mrs. Hagg-man is the daughter of Mr. and Mrs. Otto H. Pehle of Omaha. Mr. Hagg-man's parents live at Courtland, Kan.

Miller Elected to Office

The summer session of the New England section, Society of Plant Physiologists, held at Durham, N. H., elected Dr. E. C. Miller of the De-partment of Botany to the society's presidency for the coming year. He will be chairman of the sessions on plant physiology to be held at Dallas, Texas, next December.

RECENT HAPPENINGS

A three-week session on vocational guidance, designed for administrators and directors of guidance work and for graduate students, took up the first three weeks in June.

Forty College students and em-ployees registered in Recreation Cen-ter during the Selective Service act enumeration on July 1 for those who had become 21 since the first regis-tration last year.

Fifty-four cadets from Kansas State College were among the student officers representing the Coast Artil-tery units (anti-aircraft) at Ft. Sheri-dan, Ill., this summer. The infantry cadet officers trained at Ft. Leaven-worth.

Kansas dairymen and processors of dairy products are meeting at Kansas State College today to con-sider ways in which the dairy indus-try can best meet its responsibilities in connection with the Food-for-De-fense program.

The 20 students enrolled in the Civil Aeronautics administration pilot training course will complete their work by September 15. They are now taking flight instruction at the Manhattan airport.

Alan Gail Blecha, Manhattan, sophomore in agriculture last year, died early this month after an auto-mobile accident near Pittsburg. He had been working as an assistant on an experimental farm at Parsons.

Bruce Downs, Wichita, an engi-neering student here last year, is undergoing a "refresher" aviation course at Bakersfield, Calif., given to prospective pilots for the ferry ser-vice to Britain. The former student expects to go to Canada this fall and then take off for England.

Reva King, Manhattan, who re-ceived her degree last Friday, has been awarded a \$500 graduate schol-arship from Kappa Kappa Gamma sorority. Marjorie Spurrier, King-man, won a \$250 undergraduate scholarship and plans to enter the University of Kansas Medical school next fall.

Nine members of the staff of the Division of Home Economics, one member of the staff of the Depart-ment of Industrial Journalism and Printing and five students in the Di-vision of Home Economics attended the 34th annual meeting of the American Home Economics associa-tion in Chicago June 22 to 26.

Dean H. Umberger of the Division of College Extension, and L. C. Wil-liams, assistant director of extension, attended a conference at the Depart-ment of Agriculture in Washington to discuss the 1942 program for the Ag-ricultural Adjustment administra-tion. National defense will be the theme of the work next year.

"Ballad for Americans," cantata by Earl Robinson and John Letouche, was presented by the Department of Music in assembly July 3. Other numbers were organ selections by Richard Jesson, and orchestral pieces directed by William Fitch, who has taken over the work of Prof. Lyle Downey, now on leave of absence.

Hoosaku (Howard) Furumoto, for-mer president of the Future Farmers of America in Hawaii and the terri-tory's representative at Kansas City last fall, enrolled as a freshman at the summer session. He said that he came to Kansas in the summer so that he could become acclimated to the cold weather. With the ther-mometer over the 100-degree mark, he is having a hard time to become accustomed to the heat.

Music in the College Stadium and a dance in Recreation Center made up the Summer School party program July 23. Students and faculty of the Department of Music presented the music. William D. Fitch directed the orchestra. Prof. William Lind-quist and Edwin Sayre led the differ-ent glee club and choral ensemble groups. Miss Alice Jefferson played a piano solo and served as chief ac-companist for the voices. Richard Jesson also did piano accompanying. Max Martin presented several violin solos.

FACULTY AND STAFF CHANGES INVOLVE SOME 150 PERSONS

**PRES. F. D. FARRELL ANNOUNCES
LIST APPROVED BY REGENTS**

**Dr. Bernice Kunerth of the Department
of Food Economics and Nutrition
Goes to Washington
on Leave**

(Continued from page one)

has been employed half time in the Department of History and Government and half time as assistant dean, will devote full time to teaching in the Department of History and Government; Asst. Prof. L. E. Hudiburg, who has been devoting full time to the Department of Physics, will devote approximately half time to that department as associate professor and approximately half time as assistant dean in the Division of General Science; George Cochran employed as graduate assistant in botany and plant pathology, effective September 1; Dr. L. H. Limper, professor in the Department of Modern Languages, to be on half time, effective September 1; William D. Fitch to be employed as temporary instructor in the Department of Music during the sabbatical leave of Professor Downey.

MRS. NINA RHOADES RESIGNS

L. W. Patton to be employed as graduate assistant in the Department of Physics effective September 1; Dolf Jennings to continue in the Department of Zoology as temporary instructor during the leave of absence of M. J. Harbaugh; Miss Carolyn Wagner, in the Department of Art, changed from part-time assistant to full-time assistant, effective September 1; Miss Ina F. Cowles, associate professor of clothing and textiles, to be changed to half-time basis effective September 1; Miss Dena Cederquist, technician in the Department of Food Economics and Nutrition, resigned May 31; Miss Nina Edelblute, temporary assistant in the Department of Food Economics and Nutrition, resigned May 31; Miss Petrice Davis, temporary part-time instructor in the Department of Household Economics, resigned May 31; Miss Raymona Hilton, assistant in institutional economics, promoted to new position of instructor in institutional economics, effective July 1; V. K. McMahan to continue as temporary instructor in pathology during the leave of absence of Dr. C. H. Kitzelman; H. B. Summers, professor of public speaking, resigned May 31; Mrs. Nina M. Rhoades, social director of Van Zile hall, resigned June 30.

Dr. J. M. Horton of the Department of Student Health resigned June 30. Dr. Albert G. Roode of the Department of Student Health resigned August 31. Dr. Raymond H. Hughes appointed assistant College physician, September 1, to succeed Dr. Albert G. Roode.

Harold Fox appointed temporary instructor in agricultural economics for the period October 1, 1941, to June 30, 1942, during the sabbatical leave of F. L. Parsons.

Mrs. Julia Bradley, assistant in the Department of Animal Husbandry, resigned June 30. Effective August 1, Mrs. Gladys Williams appointed to succeed Mrs. Bradley.

Harold K. Heizer employed as part-time assistant in milling industry for the period September 1, 1941, to May 31, 1942.

J. E. HEDRICK QUILTS

Dr. J. E. Hedrick, instructor in chemical engineering, resigned. Effective September 1, Dr. A. W. Hawkins of the same department promoted to succeed Doctor Hedrick. Effective September 1, Dr. Herman W. Zabel appointed instructor in chemical engineering to succeed Doctor Hawkins, promoted.

Dr. P. H. Vardiman appointed temporary instructor in bacteriology, effective July 1, to serve during the leave of absence of Dr. M. J. Twiehaus.

Effective September 1, Dr. H. J. Peppler, instructor in the Department of Bacteriology, is promoted to the instructorship made vacant by the resignation of T. M. McCalla. Effective September 1, Thomas H. Lord appointed instructor in bacteriology to succeed Dr. H. J. Peppler, promoted.

Dr. G. N. Reed, instructor in chemistry, resigned June 30. A. L. Neal, instructor in chemistry, is granted leave of absence for the academic year 1941-42. Russell J. Beers, instructor in chemistry, is granted leave of absence for the academic

year 1941-42. Lowell W. Taylor, James K. Woods and Luther W. Brandt appointed part-time graduate assistants in chemistry, effective September 1.

Dr. A. R. Hanke, temporary assistant chemist, resigned June 30. For the period July 1 to January 31, 1942, Carl Latschar employed as temporary assistant chemist to succeed Doctor Hanke, resigned, and to serve during the leave of absence of B. W. Beadle.

Miss Minerva Cron, part-time graduate assistant in chemistry, resigned May 31. Effective September 1, Joseph J. Bryske appointed part-time graduate assistant in chemistry to succeed Miss Cron, resigned.

NAME INDUSTRIAL FELLOWS

Raymond A. Olson, Edward Stickley and Irwin Olson appointed part-time industrial fellows on fellowships provided by the Sharpless Chemical company, the appointments to be effective September 1.

September 1 Donald Olson appointed part-time graduate assistant in chemistry to succeed Raymond A. Olson, transferred.

Miss Gertrude Roskie, instructor in education, resigned June 30.

Effective September 1, Otto E. Wenger appointed part-time graduate assistant in the Department of Entomology.

The appointment of Miss Dorothy Peters as temporary instructor in the Library is continued from September 1 to June 30, 1942.

First Lt. George T. Hart of the Department of Military Science and Tactics transferred to Washington, D. C., by the War department.

Effective September 1, Walter Roach appointed assistant professor of public speaking to succeed Dr. H. B. Summers, resigned.

Allen Edgar, instructor in zoology, resigned August 31. Effective September 1, Leo Petrix appointed instructor in zoology to succeed Mr. Edgar.

Miss Stella Beil appointed part-time graduate assistant in clothing and textiles, effective September 1. Miss Hazel Marie Scott appointed part-time graduate assistant in clothing and textiles, effective September 1.

Miss Helen Forney, instructor in the Department of Food Economics and Nutrition, resigned May 31.

Effective July 1, the academic rank of Chester B. Billings, instructor in agriculture in Home Study service, is changed to assistant professor.

RADIO OPERATOR RESIGNS

R. L. Meisenheimer, radio operator in the Division of College Extension, resigned May 31. Effective June 1 Robert C. Dennison appointed radio operator to succeed Mr. Meisenheimer.

Miss Theresa Peltier, nurse in the College hospital, resigned June 30. Effective September 1, Mrs. Hazel Olney appointed nurse in the College hospital to succeed Miss Peltier.

Eleanor Tibbetts, assistant to the vice-president, resigned June 30. Miss Juanita Vilander of the same office promoted to succeed Miss Tibbetts effective July 1.

The leave of absence of Hale Brown, instructor in vocational education, granted for the period December 18, 1940, to June 30, 1941, is extended to June 30, 1942.

The leave of absence of M. R. Wilson, associate professor in the Department of Shop Practice, extended to June 30, 1942.

Effective August 11, Miss Doris Compton appointed instructor in recreation, Division of College Extension.

Effective September 1, John Waggoner is appointed part-time graduate research assistant on industrial research fellowship No. 2, Chemical Problems in the Production of Starch from Kansas Farm Products.

July 1, Albert Cane is appointed part-time graduate research assistant on industrial research fellowship No. 3, The Manufacture of Colloidal Fuel from Kansas Coal.

September 1 Raymond E. Seltzer is appointed part-time graduate research assistant on industrial research fellowship No. 5, Economics of the Kansas Meat Packing Industry.

Rodney W. Johnston is appointed, on July 1, part-time graduate research assistant on industrial research fellowship No. 6, The Manufacture of Starch from Kansas Agricultural Raw Materials.

Effective July 1 Harold H. Munger is appointed full-time research assistant in the Engineering Experi-

KANSAS STATE COLLEGE—1941 FOOTBALL SCHEDULE

Sept. 27—Ft. Hays State College (Boy Scout Day)
Oct. 4—Northwestern
Oct. 11—Missouri
Oct. 18—Oklahoma (Parents' Day)
Nov. 1—Nebraska (Homecoming)
Nov. 8—South Carolina University
Nov. 15—Kansas University
Nov. 22—Iowa State
Nov. 29—Arizona

MANHATTAN
Evanston, Ill.
Columbia
MANHATTAN
MANHATTAN
MANHATTAN
Lawrence
Ames
Tucson

ment station; approximately half his time will be devoted to industrial research fellowship No. 4, New Sources of Highway Materials to be Used in Concrete Aggregates.

Effective July 1 Miss Dorothy Hamer is appointed social director of Van Zile hall (women's dormitory) to succeed Mrs. Nina Rhoades, resigned.

MANY ARE PROMOTED

The following promotions in academic rank were provided in the 1941-42 budget: A. A. Holtz, economics and sociology, associate professor to professor; Miss Kathleen Knittle, to be assistant dean of women; George Montgomery, economics and sociology, associate professor to professor; J. A. Hodges, economics and sociology, associate professor to professor; John W. Greene, chemical engineering, assistant professor to associate professor; Harner Selvidge, electrical engineering, assistant professor to associate professor; J. N. Wood, machine design, instructor to assistant professor; A. O. Flinkner, mechanical engineering, assistant professor to associate professor; Leo A. Moore, shop practice, instructor to assistant professor.

L. E. Hudiburg, from assistant professor of physics to associate professor of physics and assistant dean, Division of General Science; Vernon D. Foltz, bacteriology, assistant professor to associate professor; Miss Margaret Newcomb, botany and plant pathology, assistant professor to associate professor.

Miss Eunice L. Kingsley, botany and plant pathology, instructor to assistant professor; J. C. Bates, botany and plant pathology, instructor to assistant professor; H. M. Stewart, economics and sociology, associate professor to professor; Edgar S. Bagley, economics and sociology, instructor to assistant professor; Mrs. Laura Baxter, education, assistant professor to associate professor; R. C. Langford, education, associate professor to professor; M. C. Moggie, education, assistant professor to associate professor; L. F. Hall, education, assistant professor to associate professor; Hale Brown, education, instructor to assistant professor; R. H. Painter, entomology, associate professor to professor.

D. A. Wilbur, entomology, assistant professor to associate professor; Miss Inez Alsop, history and government, assistant professor to associate professor; Hillier Kriehbaum, industrial journalism and printing, assistant professor to associate professor; Charles Stratton, music, assistant professor to associate professor; H. Miles Heberer, public speaking, associate professor to professor; Norman C. Webster, public speaking, instructor to assistant professor; Earl H. Herrick, zoology, associate professor to professor; E. J. Wimmer, zoology, associate professor to professor.

Frank Byrne, geology, assistant professor to associate professor; Miss Maria Morris, art, assistant professor to associate professor; Miss Vida Harris, art, assistant professor to associate professor; Mrs. Coral Aldous, child welfare and eugenics, instructor to assistant professor; Miss Mary Smull, institutional economics, instructor to assistant professor; Roger P. Link, anatomy and physiology, instructor to assistant professor; O. B. Glover, district supervisor in Extension service, to be assistant professor; L. F. Neff, district supervisor in Extension service, to be assistant professor; Miss Gladys Myers, home demonstration work, instructor to assistant professor of home management; Miss Mae Farris, home demonstration work, instructor to assistant professor of home furnishings; L. L. Compton, Extension service, assistant professor to associate professor of farm crops.

F. A. Smutz Is Honored

Prof. F. A. Smutz of the Department of Machine Design was elected circulation manager of the Journal of Engineering Drawing at the recent meeting of the National Society for Promotion of Engineering Education.

'41 CLASS, WITH 819 MEMBERS, IS LARGEST RECORDED BY COLLEGE

(Continued from page one)

Bachelor of Science in Milling Industry: Robert Jonathan Jones, Wichita.

Bachelor of Science in Chemical Engineering: John Gilbert Brewer, Arkansas City; Clarence Arthur Day Jr., Ottawa; John Richard Romig, Bethany, Mo.

Bachelor of Science in Civil Engineering: Alan Dean Kinney, Hainesburg, N. J.; John Vito Sette, Corona, N. Y.

Bachelor of Science in Electrical Engineering: Alonzo Leon Cloninger, Chanute; John Henry Larkins, Le Roy; Raymond Lamar Meisenheimer, Hiawatha; Jesse Eugene Nease, Concordia; Louis Earl Raburn, Manhattan; Jack Sheets, Cozad, Neb.; Laurence Oscar Slier, Pratt; John Murray Stevenson, Hutchinson; Lloyd Bryan Tribble, Soldier.

Bachelor of Science in Mechanical Engineering: James Alvin Farmer, Topeka; Raymond Hook, Osborne; Donald Alonzo Justice, Manhattan; Victor Graham Mellquist, Manhattan; Henry Albert Thurstin, Chanute.

Bachelor of Science in Home Economics: Genevieve Elizabeth Allen, Manhattan; Frances Lorraine Brooks, Norton; Bernice Beatrice Brown, Toronto; Sarah Jane Buster, Larned; Lillie Martin Carleton, Manhattan; Isabel Naomi Dodrill, Stockton; Ruth Elma Douglas, Coffeyville; Margaret Lucille Muger, Furbeck, Manhattan; Mary Alice Guy, Longford; Jane Louise Hastings, Lakin; Pattie Patrice Hay, Eskridge; Laura Elizabeth Herr, Abilene; Letha Pearl Irvine, Stafford; Wilma Jean Jackson, Wichita; Eleanor Lee Johnson, Salina; Jean Margaret Kallenberger, Edna; Dorothy May Knaus, Neodesha; Jessie Marguerite Mason, Redfield; Verna Evelyn Matson, Miltonvale; Ruth Eileen Morrow, Larned; Margaret Frances Roseman, New Cambria; Margaret Winnifred Schnacke, La Crosse; Dorothy Irene Stutzman, Ransom; Gloria Joyce Swanson, Hutchinson; Earlene Eleanor Trekel, Manhattan; Dorothy Mae Van Tuyl, Basehor; Winnivere Button Wright, Manhattan.

Bachelor of Science: Eloise Artis Black, Coffeyville; Ellen Mae Cardarelli, Republic, Pa.; Richard Warren Cope, Holton; Aubrey Thornton Edwards, Manhattan; Lowell Windell Fowler, El Dorado; Shirley Evelyn Karns, Coffeyville; Reva Alma King, Council Grove; Irene Buckles Lakey, Beaumont, Texas; Dean McCandless, St. John; Daniel Claire Marshall, Manhattan; Donald Herman Merten, Morganville; Maxine Mae Milner, Republic; Rex Allan Neubauer, Manhattan; Carl Adolph Peterson, Overland Park; Carroll Wayne Preusch, Healy; Earl Boise Reynolds, Colony; Earl William Rose, White Cloud; Bette Elaine Roth, Moundridge; Joseph Uhrin, Metuchen, N. J.; William Henry Wells, Colony; John Edward Wenger, Powhattan; Margaret Ann Wilkerson, Smith Center; Minnie Mildred Wilkes, Belleville; Joseph Brewer Zahn, Miltonvale.

Bachelor of Science in Business Administration: Lawrence Theodore Buehning, Valley Falls; Kenneth Herbert Graham, Framingham, Mass.; Glen Edward Mueller, Anthony; Harry Otto, Manhattan; Lloyd Arnold Starkweather, Clay Center; Oliver Rex Wells, Marysville; Ralph Edgar York, Dunlap.

Bachelor of Science in Industrial Chemistry: George William Hartter, Sabatha; Lowell Robert Ray, Wilsey.

Bachelor of Science in Industrial Journalism: Richard John Cech, Kansas City; David Edward Guerrant, Manhattan; Herbert Dale Hollinger, Chapman; Alice Claire Hummel, Kanopolis; Robert Rex Rogers, Manhattan; John Marks Williams, Parsons.

Bachelor of Science in Music Education: Lowell Warren Clark, Waterville.

Bachelor of Science in Physical Education: Leslie Albert Droge, Seneca.

Advocate Meat Servings

A serving of meat—and cheaper cuts are just as nutritious—was the daily allowance recommended for each person in the new food guide that was disclosed at the recent National Nutrition Conference for Defense attended by Miss Gertrude E. Allen, nutritionist of Kansas State College Extension service.

WHEAT IMPROVEMENT PROGRAM IS REVAMPED AND REVITALIZED

**COLLEGE AND OTHER AGENCIES
COOPERATING ON PROJECT**

Counties Will Have Chance to Participate in Competition for "Blue Ribbon" Awards for Select Seed Grain Fields

Twenty-nine Kansas counties have an opportunity to participate in a revamped and revitalized wheat improvement program which is being introduced in Kansas this fall, with "blue ribbon" fields of select seed grain replacing the wheat nursery plots that have been planted in about 30 counties during the past few years.

The wheat improvement contest is part of an extensive program for building up the quality of Kansas-grown grain by encouraging greater production and use of certified seed. Organizations sponsoring the program include Kansas State College, the Kansas Crop Improvement association, the Kansas Wheat Improvement association, the State Board of Agriculture and the Kansas Industrial Development commission.

EACH COUNTY COMPETES

The "blue ribbon" fields will be grown on a competitive basis, with farmers striving against each other and counties competing against each other to see what individuals and what sections of the state can do the best job of producing quality bread grain.

A primary purpose of the streamlined wheat improvement program is to encourage the use of good seed wheat of desirable varieties, an essential foundation for quality wheat production. Emphasis will be placed on certified seed wheat, which has been inspected and approved by the Kansas Crop Improvement association. Emphasis also will be given to production practices that increase yields and improve the quality of the grain produced.

IN "BLUE RIBBON" CONTEST

The 29 counties eligible to compete in the "blue ribbon" field contest are in central and western Kansas.

These are the counties that are eligible to apply for participation in the contest. Only about 15 counties can be handled because of the limited time and personnel available for performing the necessary field inspection work. There will be competition among counties to determine which ones will compete in the wheat improvement contest: Cheyenne, Thomas, Decatur, Ford, Comanche, Osborne, Barton, Stafford, Mitchell, Lincoln, Rice, Reno, Harper, Republic, Cloud, Ottawa, Saline, McPherson, Harvey, Sedgwick, Sumner, Clay, Dickinson, Butler, Cowley, Geary, Riley, Marshall and Shawnee.

THROCKMORTON IS CHAIRMAN

The executive committee in charge of the contest is headed by Prof. R. I. Throckmorton, head of the Department of Agronomy at Kansas State College. Other members include Prof. A. L. Clapp, secretary of the Kansas Crop Improvement association; L. L. Compton, agronomist of the Kansas State College Extension service; Dr. J. H. Parker, director of the Kansas Wheat Improvement association; L. P. Reitz, representing the Agronomy department, and E. G. Bayfield, head of the Department of Milling Industry.

The contest fields must be planted with either certified seed or registered seed.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Equality of the sexes is one of the delusions of modern peoples."

Equality of the sexes is one of the delusions of modern peoples. Equality of things that are different is impossible. One might just as well try to make cows and horses or steam engines and gas engines equal. Each has its peculiar bundle of characteristics, functions and abilities. Advancement in human relations lies in giving to each sex those rights and privileges which will make the individuals most useful in society.

Most of the advocates of equal rights have urged that women have all of certain rights that men have enjoyed plus all other rights that women could obtain. But no one has championed the right of women to dig ditches. Tacitly, there has been recognition of the fundamental differences between the sexes, but this tacit admission rarely has been expressed. Once man wore the trousers but no more. Woman took them over and what she has done to them defies the imagination. She cut them short, put frills on them and made them all the hues of the rainbow. She not only took all that man had but added to it.

All of this merely illustrates the age-old fact that equality of the sexes is a delusion which man uses to kid himself in his subconscious moments. Equality never has existed and it is hoped that it never will exist. But may the passage of time bring further opportunities for each sex to develop and use constructively its own particular characteristics, functions and abilities.